



**ACKNOWLEDGEMENT OF NOTIFICATION
OF HAZARDOUS WASTE ACTIVITY
(VERIFICATION)**

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

• NJD055082531

INSTALLATION ADDRESS

HERCULES INDUSTRIES INCORPORATED
111 SOUTH STREET
PASSAIC NJ 07055

111 SOUTH STREET
PASSAIC NJ 07055



INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law (*Section 3010 of the Resource Conservation and Recovery Act*).

INSTALLATION'S EPA I.D. NO.	NJD055082531
I. NAME OF IN- STALLATION	INDUSTRIE HERCULES CHEMICAL CO 111 SOUTH ST PASSAIC, NJ 07055
II. INSTALLA- TION MAILING ADDRESS	111 SOUTH ST PASSAIC, NJ 07055
III. LOCATION OF INSTAL- LATION	111 SOUTH ST PASSAIC, NJ 07055

FOR OFFICIAL USE ONLY

COMMENTS																								
C																								
C																								
15	16																							
INSTALLATION'S EPA I.D. NUMBER													APPROVED		DATE RECEIVED (yr., mo., & day)									
S													T/A	C										
F	M	J	D	0	5	5	0	8	2	5	3	1	3	1			8	0	0	7	2	9		
1	2												13	14	15	16	17					22		

I. NAME OF INSTALLATION

HERCULES INDUSTRIES INCORPORATED.

II. INSTALLATION MAILING ADDRESS

		STREET OR P.O. BOX																											
C	3	1	1	1	S	O	U	T	H	S	T	R	E	E												45			
13	16																							45					
		CITY OR TOWN																								ST.		ZIP CODE	
C	4	P	A	S	S	A	I	C																N	J	0	7	0	5
15	18																							40	41	42	47		

III. LOCATION OF INSTALLATION

		STREET OR ROUTE NUMBER																												
C 5		1	1	1	S	O	U	T	H	S	T	R	E	E	T															
13	16																					49								
		CITY OR TOWN																				ST.	ZIP CODE							
C 6		P	A	S	S	A	I	C																				NJ	07055	
13	18																					40	41	42	47					

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title)															PHONE NO. (area code & no.)																							
2	N	G	E	O	R	G	E	T	U	C	K	E	R	V	I	C	E	-	P	R	E	S	I	D	E	N	T	2	0	1	-	7	7	8	-	8	0	1

V. OWNERSHIP

C 8		A. NAME OF INSTALLATION'S LEGAL OWNER																			
15 16		HERCULES CHEMICAL COMPANY INC																			
55																					
B. TYPE OF OWNERSHIP (enter the appropriate letter into box)		VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))																			
F = FEDERAL M = NON-FEDERAL		<input checked="" type="checkbox"/> A. GENERATION 57		<input type="checkbox"/> B. TRANSPORTATION (complete item VII) 58																	
M		<input type="checkbox"/> C. TREAT/STORE/DISPOSE 59		<input type="checkbox"/> D. UNDERGROUND INJECTION 60																	
56		59		60																	

VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate box(es))

☐ 61 A. AIR ☐ 62 B. RAIL ☒ 63 C. HIGHWAY ☐ 64 D. WATER ☐ 65 E. OTHER (specify):

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

☒ **A. FIRST NOTIFICATION** ☐ **B. SUBSEQUENT NOTIFICATION** (complete item C)

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

C. INSTALLATION'S EPA I.D. NO.							

I.D. - FOR OFFICIAL USE ONLY														
5	W	N	J	D	0	5	5	0	8	2	5	3	T/A	C
1	2												13	14
													15	

IX. DESCRIPTION OF HAZARDOUS WASTES (continued from front)

A. HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from non-specific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
7	8	9	10	11	12
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
19	20	21	22	23	24
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
25	26	27	28	29	30
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
U159	38	39	40	41	42
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
37	44	45	46	47	48
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

D. LISTED INFECTIOUS WASTES. Enter the four-digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

E. CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non-listed hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24.)

☐ 1. IGNITABLE
(D001)

☐ 2. CORROSIVE
(D002)

☐ 3. REACTIVE
(D003)

☐ 4. TOXIC
(D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE

Benny Tucker

NAME & OFFICIAL TITLE (type or print)

N. George Tucker V.P. Mfg

DATE SIGNED

7-28-80

up



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	INSTALLATION'S EPA I.D. NO.	MJDD055082531
I.	NAME OF INSTALLATION	INDUSTRIE HERCULES CHEMICAL
II.	INSTALLATION MAILING ADDRESS	111 SOUTH ST PASSAIC, NJ 07055
III.	LOCATION OF INSTALLATION	111 SOUTH ST PASSAIC, NJ 07055

FOR OFFICIAL USE ONLY

[illegible]

15 16															17 18															19 20															21 22															23 24															25 26															27 28															29 30															31 32															33 34															35 36															37 38															39 40															41 42															43 44															45 46															47 48															49 50															51 52															53 54															55 56															57 58															59 60															61 62															63 64															65 66															67 68															69 70															71 72															73 74															75 76															77 78															79 80															81 82															83 84															85 86															87 88															89 90															91 92															93 94															95 96															97 98															99 100															101 102															103 104															105 106															107 108															109 110															111 112															113 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I. NAME OF INSTALLATION

HERCULES INDUSTRIES INCORPORATED

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX		ST.		ZIP CODE	
C	111 South Street				
3					
15	16				45
CITY OR TOWN		ST.		ZIP CODE	
C	Passaic				
4					
15	16				45

III. LOCATION OF INSTALLATION

		STREET OR ROUTE NUMBER																					
C																							
S		111 SOUTH STREET																					
13	16																					45	
CITY OR TOWN																						ST.	ZIP CODE
C																							
6		PASSAIC																				NJ 07055	
13	16																					45	

IV. INSTALLATION CONTACT

		NAME AND TITLE (last, first, & job title)																		PHONE NO. (area code & no.)																	
C		N	O	G	E	F	U	C	K	E	R	.	V	I	C	E	P	R	E	S	I	D	E	N	T	2	0	1	-	7	7	8	-	8	0	1	1
A	2																																				

V. OWNERSHIP

C		A. NAME OF INSTALLATION'S LEGAL OWNER																								
8		HERCULES CHEMICAL COMPANY INC																								
15 16		55																								
B. TYPE OF OWNERSHIP (enter the appropriate letter into box)		VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))																								
F = FEDERAL M = NON-FEDERAL		<input checked="" type="checkbox"/> 37 A. GENERATION												<input type="checkbox"/> 38 B. TRANSPORTATION (complete item VII)												
<input checked="" type="checkbox"/> 39 C. TREAT/STORE/DISPOSE		<input type="checkbox"/> 40 D. UNDERGROUND INJECTION																								

VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate box(es))

☐ A. AIR ☐ B. RAIL ☒ C. HIGHWAY ☐ D. WATER ☐ E. OTHER (specify):

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

<input checked="" type="checkbox"/> A. FIRST NOTIFICATION	<input type="checkbox"/> B. SUBSEQUENT NOTIFICATION (complete item C)	C. INSTALLATION'S EPA I.D. NO.

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

A. HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from non-specific sources your installation handles. Use additional sheets if necessary.

	1		2		3		4		5		6
	23 - 26		23 - 26		23 - 26		23 - 26		23 - 26		23 - 26
	7		8		9		10		11		12
	23 - 26		23 - 26		23 - 26		23 - 26		23 - 26		23 - 26

13	14	15	16	17	18
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
19	20	21	22	23	24
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
25	26	27	28	29	30
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

31	32	33	34	35	36
4159					
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
37	38	39	40	41	42
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26
43	44	45	46	47	48
23 - 26	23 - 26	23 - 26	23 - 26	23 - 26	23 - 26

49			50			51			52			53			54		
23	-	26	23	-	26	23	-	26	23	-	26	23	-	26	23	-	26

☐ 4. TOXIC
(D000)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

DATE SIGNED

SIGNATURE 

NAME & OFFICIAL TITLE (type or print)

N. GEORGE TUCKER, V.P. Mfg

DATE SIGNED
7-28-80

FORM 1 GENERAL	 EPA	U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION <i>Consolidated Permits Program</i> <i>(Read the "General Instructions" before starting.)</i>	I. EPA I.D. NUMBER <div style="border: 1px solid black; padding: 2px; font-family: monospace; font-size: 1.2em;"> NJ0055082531 </div>
LABEL ITEMS <div style="border: 1px solid black; padding: 5px; min-height: 100px;"> I. EPA I.D. NUMBER III. FACILITY NAME V. FACILITY MAILING ADDRESS VI. FACILITY LOCATION </div>		PLEASE PLACE LABEL IN THIS SPACE	

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X'			SPECIFIC QUESTIONS	MARK 'X'		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X		D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X			F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1	SKIP	HERCULES INDUSTRIES INCORPORATED
---	------	----------------------------------

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)
N. GEORGE TUCKER, V.P. MANUF	201 778 8011

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX			
3	111	SOUTH STREET	
B. CITY OR TOWN			
4	PASSAIC		
C. STATE		D. ZIP CODE	
NJ		07055	

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER			
5	111	SOUTH STREET	
B. COUNTY NAME			
PASSAIC PASSAIC			
C. CITY OR TOWN		D. STATE	E. ZIP CODE
PASSAIC		NJ	07055
F. COUNTY CODE (if known)			

CONTINUED FROM THE FRONT

VII. SIC CODES (4-digit, in order of priority)

A. FIRST				B. SECOND			
C	7	2	8	C	7		(specify)
13	16	19		15	18	21	
C. THIRD				D. FOURTH			
C	7		(specify)	C	7		(specify)
13	16	19		15	18	21	

VIII. OPERATOR INFORMATION

A. NAME															B. Is the name listed in Item VIII-A also the owner?										
C	8	HERCULES INDUSTRIES INCORPORATED													66	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO									
15	16														55										
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)															D. PHONE (area code & no.)										
F = FEDERAL M = PUBLIC (other than federal or state) P (specify) S = STATE O = OTHER (specify) P = PRIVATE															C	2	0	1	7	7	8	8	0	1	1
15	16														15	16	18	19	21	22	25				
E. STREET OR P.O. BOX																									
111 SOUTH STREET																									
26															55										
F. CITY OR TOWN															G. STATE		H. ZIP CODE		IX. INDIAN LAND						
C	B	PASSAIC													N	J	0	7	0	5	5	Is the facility located on Indian lands?			
15	16														40	41	42	47	-	51	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
															52										

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)										D. PSD (Air Emissions from Proposed Sources)									
C	T	I	NJ 0033600							C	T	I							
9	N									9	P								
15	16	17	18					30	15	16	17	18					30		
B. UIC (Underground Injection of Fluids)										E. OTHER (specify)									
C	T	I								C	T	I	(specify)						
9	U									9									
15	16	17	18					30	15	16	17	18					30		
C. RCRA (Hazardous Wastes)										E. OTHER (specify)									
C	T	I	NJ 0055082531							C	T	I	(specify)						
9	R									9									
15	16	17	18					30	15	16	17	18					30		

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

F9: N/50

XII. NATURE OF BUSINESS (provide a brief description)

Manufacturing and Packaging of Chemical Products for building construction (Plumbing)

 ENVIRONMENTAL AGENCY
 NEW YORK, N.Y. 10001
 FEB 17 9 56 AM '81

F9: A/51

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)		B. SIGNATURE	C. DATE SIGNED
N. George Tucker, P.E., C.P.E.		<i>George Tucker</i>	11.19.80

COMMENTS FOR OFFICIAL USE ONLY

C																55
15	16															

EPA Form 3510-3 (6-80) PAGE 1 OF 5 CONTINUE ON REVERSE

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

PAC
 FEB 17 3 54 PM '91
 ENVIRONMENTAL AGENCY
 NEW YORK, N.Y. 10007

NOV 25 11 55 AM '90
 ENVIRONMENTAL AGENCY
 NEW YORK, N.Y. 10007

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE CODE
 POUNDS P
 TONS T

METRIC UNIT OF MEASURE CODE
 KILOGRAMS K
 METRIC TONS M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES**1. PROCESS CODES:**

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZ. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

EPA I.D. NUMBER (enter from page 1)													FOR OFFICIAL USE ONLY													
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 N J D 0 5 5 0 8 2 5 3 1 3 1													1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 W DUP 3 2 DUP													
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																										
INITIAL NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES																						
				1. PROCESS CODES (enter)																						
				2. PROCESS DESCRIPTION (if a code is not entered in D(1))																						
1	U1 5 9	47738 000	P	S	O	1																			Sent out for reclaiming	
2	U2 1 3	2775 000	P	S	O	1																				Sent out for reclaiming
3	U 0 5 7	593 000	P	S	O	1																				Sent out for reclaiming
4																										
5																										
6																										
7																										
8																										
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25																										
26																										

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

PA 3
FEB 17 9:55 AM '81
ENVIRONMENTAL AGENCY
NEW YORK, N.Y. 10007

EPA I.D. NO. (enter from page 1)											
1	2	3	4	5	6	7	8	9	10	11	12
N	J	D	0	5	5	0	8	2	5	3	1
											36

F6: $\frac{N}{55}$ F6: $\frac{N}{56}$

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

VIII. FACILITY OWNER

☐ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

Hercules Industries Incorporated

201-773-8571

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

111 South Street

Passaic

NJ

07055

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

B. SIGNATURE

C. DATE SIGNED

N. GEORGE TUCKER,
VICE PRES. MFG


9 FEB 81

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

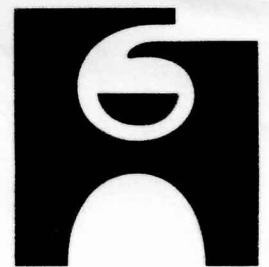
B. SIGNATURE

C. DATE SIGNED

N. George Tucker, P.E., C.P.E.



11.19.80



**HERCULES
INDUSTRIES**

INCORPORATED
ONE-ELEVEN SOUTH STREET
PASSAIC, NEW JERSEY 07055
TELEPHONE: (201) 778-8011
A Division of
HERCULES CHEMICAL CO. INC.

Dr. Richard Baker
E.P.A. Grants Administration Branch
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, N.Y. 10278

February 16, 1983

RE: NJD 055082531

Dear Dr. Baker:

We are writing to you after conversation with your Mr. John Hajduk, whom we contacted after receipt of letter from Mr. Conrad Simon, regarding financial responsibility for this facility.

As explained by telephone, we are not a Hazardous Waste Treatment, Storage and/or Disposal Facility. We are a Hazardous Waste Generator, which sends our material, namely and only solvents, out to be reclaimed and returned to us. These materials are stored for less than 90 days and are then shipped to the reclaimer, all under proper hazardous waste manifests and by properly licensed carriers.

The only reason we obtained a number, was so that we could legally ship these materials as required by law.

Accordingly, we request that our status be changed, in accordance with our original application, from a Hazardous Waste Treatment, Storage and Disposal Facility, to that of a Hazardous Waste Generator.

Very truly yours,

HERCULES INDUSTRIES INC.,

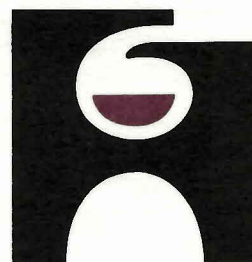
N. George Tucker, P.E., C.P.E.
Vice-President/Manufacturing

NGT:al

cc: Mr. John Hajduk

PA/B
FEB 24 9 53 AM '83
ENVIRONMENTAL
NEW YORK, N.Y. 10001
SECTION

REQ
Phase III



**HERCULES
INDUSTRIES**

INCORPORATED
ONE-ELEVEN SOUTH STREET
PASSAIC, NEW JERSEY 07055
TELEPHONE: (201) 778-8011
A Division of:
HERCULES CHEMICAL CO. INC.

5.21.81

Information Service Center
E.P.A. Region II
26 Federal Plaza
New York, N.Y. 10278

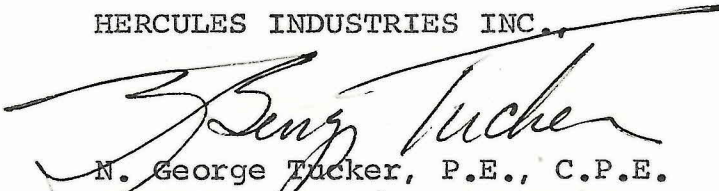
Attn: Ms. Roma Phillips

As requested by you we are enclosing a copy of map printed
by National Geographic Magazine for the State of New Jersey.
The latitude and longitude for the town of Passaic are
 $40^{\circ} 51' 04''$ W and $74^{\circ} 07' 04''$ W.

We hope this information is what is required.

Very truly yours

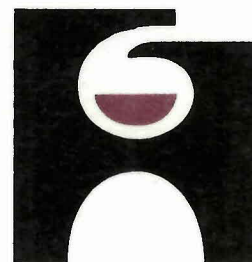
HERCULES INDUSTRIES INC.


N. George Tucker, P.E., C.P.E.
Vice-President/Manufacturing

NGT:bmg

Enc:

PA 5
MAY 19 12 19 PM '81
ENVIRONMENTAL PROTECTION AGENCY
NEW YORK, N.Y. 10001



**HERCULES
INDUSTRIES**

INCORPORATED
ONE-ELEVEN SOUTH STREET
PASSAIC, NEW JERSEY 07055
TELEPHONE: (201) 778-8011
A Division of:
HERCULES CHEMICAL CO. INC.

May 15, 1981

Mr. Richard A. Baker
Chief, Permits Administration Branch
Planning & Management Division
United States Environmental Protection Agency
Region II, 26 Federal Plaza
New York, N.Y. 10278

Re: Hazardous Waste Permit Application
N.J. DO5508 2531

Dear Mr. Baker,

Enclosed is a copy of drawing of our Plant along with the photograph of the existing storage area where the spent solvent is temporarily stored before it is shipped for reclamation.

We hope this information is what is required.

Very truly yours,

HERCULES INDUSTRIES, INC.,

N. George Tucker, P.E., C.P.E.
Vice-President/Manufacturing

NGT:bmg

Enc:





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II

26 FEDERAL PLAZA

NEW YORK, NEW YORK 10278

JULY 24, 1980

Reference No: NJ D055082531

Dear Hazardous Waste Handler:

The U.S. Environmental Protection Agency (EPA) has received the Notification Form you filed pursuant to Section 3010 of the Resource Conservation and Recovery Act, 42 U.S.C. 6930. Our review of your submittal raises concern because you failed to include all pertinent information or the response was illegible. Another blank form is enclosed together with a request that you complete it, paying additional attention to the mandatory items checked below:

- ☐ 1) Facility Name (Section I)
- ☐ 2) Facility Location (Street, City, State) (Section III)
- ☐ 3) Type of Hazardous Waste Activity (Section VI)
- ☐ 4) Description of Hazardous Wastes (Section IX)
- ☒ 5) Certification (Section X)

Please complete the form and return it to us by **AUG. 19, 1980**. To assure credit, address your reply to EPA Region II, Information Services Center, 26 Federal Plaza, New York, New York, 10278

EPA must consider you as potentially in violation of Section 3010 if you do not complete and return this form by the required date.

Sincerely yours,

Richard A. Baker

Richard A. Baker

Chief

Permits Administration Branch

Planning and Management Division



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II

26 FEDERAL PLAZA

NEW YORK, NEW YORK 10278

July 23

Reference No: *NJDO55082531*

Dear Hazardous Waste Handler:

The U.S. Environmental Protection Agency (EPA) has received the Notification Form you filed pursuant to Section 3010 of the Resource Conservation and Recovery Act, 42 U.S.C. 6930. Our review of your submittal raises concern because you failed to include all pertinent information or the response was illegible. Another blank form is enclosed together with a request that you complete it, paying additional attention to the mandatory items checked below:

- ☐ 1) Facility Name (Section I)
- ☐ 2) Facility Location (Street, City, State) (Section III)
- ☐ 3) Type of Hazardous Waste Activity (Section VI)
- ☐ 4) Description of Hazardous Wastes (Section IX)
- ☒ 5) Certification (Section X)

Please complete the form and return it to us by *Aug 23, 1980.*
To assure credit, address your reply to EPA Region II, Information Services Center, 26 Federal Plaza, New York, New York, 10278

EPA must consider you as potentially in violation of Section 3010 if you do not complete and return this form by the required date.

Sincerely yours,

Richard A. Baker

Richard A. Baker

Chief

Permits Administration Branch

Planning and Management Division

DATE RETURNED
REASON

05 FEB 1981
S

☐ ACKNOWLEDGEMENT SENT

INTERNAL CHECKLIST

ID # NJD055082531

Complete
lat/long + *

1. Interim Regulatory Requirements

A. (1) FORM 1 MISSING ☐

(2) FORM 3 MISSING ☐

B. POSTMARK after NOVEMBER 19, 1980

☐ Valid ☐

C. (1) DATE of OPERATION MISSING ☐

(2) DATE of OPERATION after NOVEMBER 19, 1980 ☐

(1) NON-NOTIFIER ☐

D. (2) NOTIFIED after AUGUST 18, 1980

☐ Valid ☐

E. (1) FORM 1, ~~XIII~~ B SIGNATURE MISSING ☐

(2) FORM 3, IX B SIGNATURE MISSING ☐

2. { A. HANDLER ☐

B. NONREGULATED ☐

C. UNSURE ☐

D. UNKNOWN FACILITY ☐

(missing name and address on Form 3)

E. NEW FACILITY > NOV. 19, 1980 ☐

F. CORE ITEM(S) MISSING ☐

G. NON-CORE ITEM(S) MISSING ☐

H. OTHER ☐

MISSING :

MAP ☒

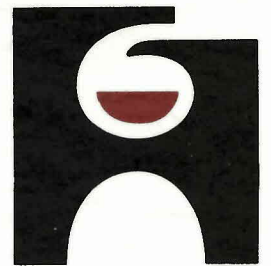
DRAWING ☒

PHOTO ☒

RESPONDENT CONTACT RECORD (RCR)

FACILITY ID NUMBER										COMPANY NAME											
NJ D 0 5 5 0 8 2 5 3 1										HERCULES INDUSTRIES INCORPORATED.											
COMPANY ADDRESS										CITY					STATE ABBREV.			ZIP CODE			
111 SOUTH STREET										PASSAIC					NJ			0 7 0 5 5			
CONTACT PERSON'S NAME/TITLE															TELEPHONE NUMBER (INCLUDE AREA CODE)						
GEORGE TUCKER (GANGADHAR VERMA)															2 0 1 7 7 8 - 8 0 1 1						
CONTACT RECORD																					
DATE		CONTRACTOR'S INITIALS		ITEMS DISCUSSED/RESOLUTION																	
				MISSING MAP, DRAWING, PHOTO, lat/long																	
4/20		ap		problem w/lat/long - will send info. as soon as possible																	
5/19		RP		Received drawing + photo. Need map + lat/long. Called, will return call.																	
5/19		RP.		Called back (Gangadhar Verma) + will send ASAP.																	

HERCULES



**HERCULES
INDUSTRIES**

INCORPORATED
ONE-ELEVEN SOUTH STREET
PASSAIC, NEW JERSEY 07055
TELEPHONE: (201) 778-8011
A Division of:
HERCULES CHEMICAL CO. INC.

Dr. Richard Baker
E.P.A. Grants Administration Branch
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, N.Y. 10278

February 16, 1983

RE: NJD 055082531

Dear Dr. Baker:

We are writing to you after conversation with your Mr. John Hajduk, whom we contacted after receipt of letter from Mr. Conrad Simon, regarding financial responsibility for this facility.

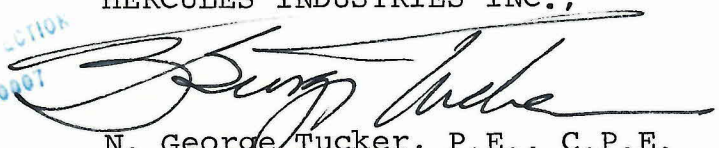
As explained by telephone, we are not a Hazardous Waste Treatment, Storage and/or Disposal Facility. We are a Hazardous Waste Generator, which sends our material, namely and only solvents, out to be reclaimed and returned to us. These materials are stored for less than 90 days and are then shipped to the reclaimer, all under proper hazardous waste manifests and by properly licensed carriers.

The only reason we obtained a number, was so that we could legally ship these materials as required by law.

Accordingly, we request that our status be changed, in accordance with our original application, from a Hazardous Waste Treatment, Storage and Disposal Facility, to that of a Hazardous Waste Generator.

Very truly yours,

HERCULES INDUSTRIES INC.,

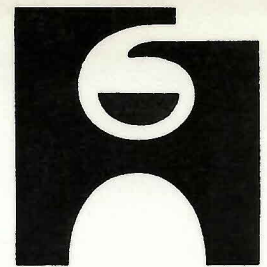

N. George Tucker, P.E., C.P.E.
Vice-President/Manufacturing

NGT:al

cc: Mr. John Hajduk

PA 3
FEB 18 11 23 AM '83
ENVIRONMENTAL PROTECTION AGENCY
NEW YORK, N.Y. 10007

delete
Circ, Cnos
date
ok
JH
Harris
3/15/83



**HERCULES
INDUSTRIES**

INCORPORATED
ONE-ELEVEN SOUTH STREET
PASSAIC, NEW JERSEY 07055
TELEPHONE: (201) 778-8011
A Division of:
HERCULES CHEMICAL CO. INC.

Mr. Conrad Simon
Director, Air & Waste Management Division
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, N.Y. 10278

February 16, 1983

RE: NJD 055082531

Dear Mr. Simon:

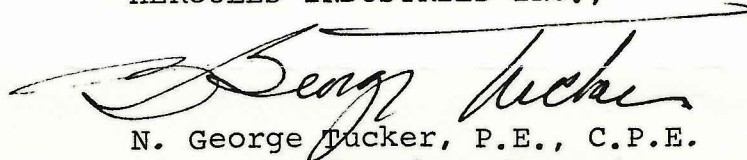
We have received your letter of January 31, regarding financial responsibility.

After speaking with your Mrs. Carmen Negron, we have written a letter to Dr. Richard Baker (copy enclosed) requesting reclassification from a Hazardous Waste Treatment, Storage and Disposal Facility to a Hazardous Waste Generator.

We will await a reply from Dr. Baker.

Very truly yours,

HERCULES INDUSTRIES INC.,


N. George Tucker, P.E., C.P.E.
Vice-President/Manufacturing

NGT:al

Enc.

cc: Mr. Jos. Cvinar

Mrs. Carmen Negron ✓



**HERCULES
INDUSTRIES**

INCORPORATED
ONE-ELEVEN SOUTH STREET
PASSAIC, NEW JERSEY 07055
TELEPHONE: (201) 778-8011
A Division of
HERCULES CHEMICAL CO. INC.

February 16, 1983

Mr. Conrad Simon
Director, Air & Waste Management Division
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, N.Y. 10278

RE: NJD 055082531

Dear Mr. Simon:

We have received your letter of January 31, regarding financial responsibility.

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We will await a reply from Dr. Baker.

Very truly yours,

HERCULES INDUSTRIES INC.,

N. George Tucker, P.E., C.P.E.
Vice-President/Manufacturing

NGT:al

Enc.

cc: Mr. Jos. Cvinar ✓
Mrs. Carmen Negron

New Jersey Department of Environmental Protection and Energy
Div. of Facility Wide Enforcement — Hazardous Waste Section
1259 Route 46, Bldg. #2, Parsippany, N.J. 07054
(201) 299-7592

NOTICE OF VIOLATION

EPA ID NO. NTD 055 082 531 DATE 4-22-93
NAME OF FACILITY Hercules Chemical Co.
LOCATION OF FACILITY 111 South St., Passaic 07055
NAME OF OPERATOR Stan Stelmack

You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C. 7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A. 58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed. These violation(s) have been recorded as part of the permanent enforcement history of your facility.

- I
- DESCRIPTION OF VIOLATION 9.3(a)1 - Haz. Waste accumulated over 90 days
I 9.3(a)3 - Containers NOT marked with accumulation start date and words "Hazardous Waste"
I 9.4(d)4 - ID labels NOT visible
I 9.4(d)5 - The storage area is NOT inspected
II ~~9.3(a)1~~ 7.4(f)1 - Failed to maintain manifest records for three years
II 7.4(f)2 - failed to maintain Haz. Waste annual reports for three years

Remedial action to correct these violations must be initiated immediately and be completed by

May 7, 1993. Within fifteen (15) days of receipt of this Notice of Violation, you shall submit in writing, to the investigator issuing this notice at the above address, the corrective measures you have taken to attain compliance. The issuance of this document serves as notice to you that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initiating further administrative or legal action, or from assessing penalties, with respect to this or other violations. Violations of these regulations are punishable by penalties of \$50,000 per violation.

Fardouk Afrasiabi
Investigator, Division of Facility Wide Enforcement
Department of Environmental Protection & Energy

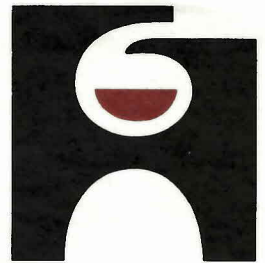
FAROUK AFRASIABI

Copy Received by: Stan Stelmack

PERMITS ADMINISTRATION
REGION II

MAY 5 10 00 AM '83

ENVIRONMENTAL PROTECTION
AGENCY
NEW YORK, N.Y. 10007



**HERCULES
INDUSTRIES**

INCORPORATED
ONE-ELEVEN SOUTH STREET
PASSAIC, NEW JERSEY 07055
TELEPHONE: (201) 778-8011
A Division of:
HERCULES CHEMICAL CO. INC.

May 2, 1983

Dr. Richard Baker
E.P.A. Grants Administration Branch
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, N.Y. 10278

Dear Mr. Baker:

MSD 055082631

ack
This is to follow-up my letter of February 16th, copy of which is enclosed, which was sent to you and to date has not been answered.

Would you be good enough to send a reply immediately so that we can close our file?

Very truly yours,

HERCULES INDUSTRIES INC.,

N. George Tucker, P.E., C.P.E.
Vice-President/Manufacturing

NGT:al
Enc.

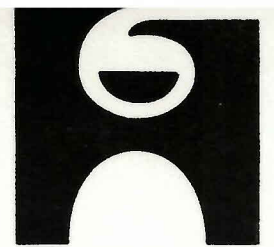
Certified
Return Receipt Requested

C O P Y

PAB
MAY 5 10 00 AM '83

ENVIRONMENTAL PROTECTION
AGENCY
NEW YORK, N.Y. 10007

Dr. Richard Baker
E.P.A. Grants Administration Branch
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, N.Y. 10278



**HERCULES
INDUSTRIES**
INCORPORATED
ONE-ELEVEN SOUTH STREET
PASSAIC, NEW JERSEY 07055
TELEPHONE: (201) 778-8011
A Division of
HERCULES CHEMICAL CO. INC.

February 16, 1983

RE: NJD 055082531

Dear Dr. Baker:

We are writing to you after conversation with your Mr. John Hajduk, whom we contacted after receipt of letter from Mr. Conrad Simon, regarding financial responsibility for this facility.

As explained by telephone, we are not a Hazardous Waste Treatment, Storage and/or Disposal Facility. We are a Hazardous Waste Generator, which sends our material, namely and only solvents, out to be reclaimed and returned to us. These materials are stored for less than 90 days and are then shipped to the reclaimer, all under proper hazardous waste manifests and by properly licensed carriers.

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Very truly yours,

HERCULES INDUSTRIES INC.,

N. George Tucker, P.E., C.P.E.
Vice-President/Manufacturing

NGT:al

cc: Mr. John Hajduk
Mr. Conrad Simon

bcc: Jay W. Fidler
Murray H. Kaufman
Varma

NOV 30 1987

NOV 30 12 33 37

ENVIRONMENTAL PROTECTION
AGENCY, REGION II
87 NOV 31 PM 12:25
REGIONAL HEARING
CLERK

CERTIFIED MAIL --
RETURN RECEIPT REQUESTED

George Tucker
Vice President
Hercules Industries, Inc.
1-11 South Street
Passaic, New Jersey 07055

NJD055082531

Re: In the Matter of Hercules Industries, Inc.
I.F.A.P. Docket No. 332C

Dear Mr. Tucker:

Enclosed is a fully-executed copy of the Consent Agreement and Final Order which has been issued by the Region II Office of the Environmental Protection Agency in settlement of the above referenced enforcement proceeding.

The seven hundred and fifty dollar (\$750.00) penalty is due within thirty days from the effective date of the Order. The Order became effective on November 24, 1987, upon signature of Christopher J. Daggott, Regional Administrator. Therefore, the penalty amount is due no later than December 28, 1987. Please label the check with I.F.A.P. Docket No. 332C and arrange for payment and mailing in accordance with the instructions set forth in the Final Order.

Sincerely yours,

Fran Mirnes
Assistant Regional Counsel
Office of Regional Counsel

Enclosure

cc: Faith Halter
Ernie Schmalz
EPA Regional Hearing Clerk ✓
Mary McDonnell, EN-342
Paymond Ferrarin, Chief
Bureau of Pesticides Control, NJDEP

ORC-AIP:FMirnes-ks:11/30/87-Disk 44



Joel Columbus

Dele H
SD

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT

32 E. Hanover St., CN 027, Trenton, N.J. 08625

JACK STANTON
DIRECTOR

LINO F. PEREIRA
DEPUTY DIRECTOR

March 15, 1983

M.N.G. Varma, Technical Manager
Hercules Industries Inc
111 South Street
Passaic, NJ 07055
RE: Facility Operating Status

PA
MAR 21 11 03 AM '83
ENVIRONMENTAL PROTECTION
NEW YORK, N.Y. 10007

Dear Sir:

gH
HWDMS
3/24/83

The Bureau of Hazardous Waste Engineering has reviewed your company's response to the Notice of Violation, Failure to Submit Annual Report. The Bureau finds that the response contains adequate information to determine the operating status of this facility with respect to N.J.A.C. 7:26-1 et seq., the New Jersey Hazardous Waste Management Regulations. The Bureau has determined that the company's hazardous waste treatment, storage or disposal facility as delineated in the company's RCRA Part A application and identified by the following EPA ID Number:

EPA ID NO. NJD055082531

has been excluded from regulations under N.J.A.C. 7:26-1.1 et seq. because your facility accumulates hazardous waste on-site for less than 90 days. This exclusion classifies your facility solely as a generator provided the following conditions are complied with:

1. All such waste is, within 90 days or less, shipped off-site to an authorized facility or placed in an on-site authorized facility, as defined at N.J.A.C. 7:26-1.4.
2. The waste is placed in containers which meet the standards of N.J.A.C. 7:26-7.2 and are managed in accordance with N.J.A.C. 7:26-9.4(d).
3. The date upon which each period of accumulation begins is clearly marked and visible for inspection on each container.
4. The generator complies with the requirements for owners and operators of N.J.A.C. 7:26-9.6 and 9.7 concerning preparedness and prevention, contingency plans and emergency procedures as well as N.J.A.C. 7:26-9.4(g) concerning personnel training.

New Jersey Is An Equal Opportunity Employer

5. For bulk accumulation of dry hazardous waste materials, the waste pile is managed according to the following:

- (i) The waste pile is no larger than 200 cubic yards; and
- (ii) The pile shall be placed on an impermeable base that is compatible with the waste; and
- (iii) Run-on shall be diverted away from the pile; and
- (iv) Any leachate and run-off from the pile must be collected and managed as a hazardous waste.

This written acknowledgement of the exclusion of the above identified facility from N.J.A.C. 7:26-1 et seq. is based expressly on the review of the aforementioned correspondence. This letter makes no claim as to the extent and physical condition of the actual hazardous waste activities occurring at the site mentioned above.

Your company's hazardous waste facility above is no longer included in DEP's list of "existing facilities" (see N.J.A.C. 7:26-1.4 and 12.3) and therefore does not need to conform with the interim operating requirements of N.J.A.C. 7:26-1 et seq. for "existing facilities" which would include the TSD facility annual report. It is the company's responsibility to operate within the conditions listed above. To operate a hazardous waste facility without prior approval from the DEP is a violation of the Solid Waste Management Act N.J.S.A. 13:1E-1 et seq.

As a result of the conclusions previously made, the Notice of Violation entitled "Failure to Submit Annual Report" signed by Mr. David Shotwell is rescinded and need not be complied with.

If you have any questions on this matter, please call my office at (609) 292-9880.

Very truly yours,

Frank Coolick

Frank Coolick, Chief
Bureau of Hazardous Waste Engineering

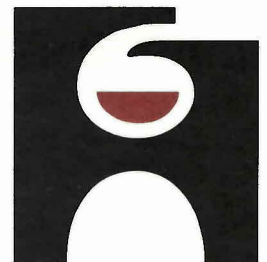
FC:jb

cc Dave Shotwell
NJDEP, Division of Waste Management

Joel Golumbek
USEPA, Region II

RECEIVED
FEB 22 3 38 PM '83
ENVIRONMENTAL PROTECTION
NEW YORK, N.Y. 10007

Regina
Debie



**HERCULES
INDUSTRIES**

INCORPORATED
ONE-ELEVEN SOUTH STREET
PASSAIC, NEW JERSEY 07055
TELEPHONE: (201) 778-8011
A Division of:
HERCULES CHEMICAL CO. INC.

Mr. Conrad Simon
Director, Air & Waste Management Division
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, N.Y. 10278

February 16, 1983

RE: NJD 055082531

Dear Mr. Simon:

We have received your letter of January 31, regarding financial responsibility.

After speaking with your Mrs. Carmen Negrón, we have written a letter to Dr. Richard Baker (copy enclosed) requesting reclassification from a Hazardous Waste Treatment, Storage and Disposal Facility to a Hazardous Waste Generator.

We will await a reply from Dr. Baker.

Very truly yours,

HERCULES INDUSTRIES INC.,

N. George Tucker, P.E., C.P.E.
Vice-President/Manufacturing

NGT:al

Enc.

cc: Mr. Jos. Cvinar
Mrs. Carmen Negrón

AIR & WASTE MANAGEMENT
DIVISION
FEB 18 10 29 AM '83
U.S. ENVIRONMENTAL
PROTECTION AGENCY,
REGION II
NEW YORK, N.Y.



**HERCULES
INDUSTRIES**

INCORPORATED
ONE-ELEVEN SOUTH STREET
PASSAIC, NEW JERSEY 07055
TELEPHONE: (201) 778-8011
A Division of:
HERCULES CHEMICAL CO. INC.

Dr. Richard Baker
E.P.A. Grants Administration Branch
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, N.Y. 10278

February 16, 1983

RE: NJD 055082531

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Very truly yours,

HERCULES INDUSTRIES INC.,

N. George Tucker, P.E., C.P.E.
Vice-President/Manufacturing

NGT:al

cc: Mr. John Hajduk

ENVIRONMENTAL PROTECTION AGENCY
RECEIVED
FEB 22 3 38 PM '83
PERMITS ADMINISTRATION

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOV 24 1987

REGION II

-----X
: In the Matter of :
: :
: HERCULES INDUSTRIES, INC. :
: :
: Respondent. : CONSENT AGREEMENT
: AND ORDER
: :
: Proceeding Under the Federal : I.F.& R. Docket No. II- 332C
: Insecticide, Fungicide and :
: Rodenticide Act, as amended. :
-----X

CONSENT AGREEMENT

This civil proceeding for the assessment of a penalty was initiated pursuant to 7 U.S.C. §136 1(a), a provision of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, 7 U.S.C. §136 et seq. ("FIFRA" or "the Act"). On July 24, 1987, Complainant in this proceeding, the Director of the Environmental Services Division, United States Environmental Protection Agency ("EPA"), Region II, issued a Complaint and Notice of Opportunity for Hearing, I.F.& R. Docket No. II-332C to Respondent, Hercules Industries, Inc., located at One-Eleven South Street, Passaic, New Jersey 07055.

Said Complaint charged Respondent with violation of 7 U.S.C. §136(c)(1) and 40 CFR §167.5, the requirements under FIFRA governing the submission of an annual Pesticide Report for Pesticide-Producing Establishments, as follows:

1. Respondent is a "person" within the meaning of 7 U.S.C. §136(s) and a "registrant", "wholesaler", "retailer", "dealer", or "other distributor" within the meaning of 7 U.S.C. §136 1(a)(1).

2. Respondent's establishment, cited above, is registered with EPA as a pesticide-producing establishment.

3. As the owner of a registered pesticide-producing establishment, Respondent is required to file an annual "Pesticide Report for Pesticide-Producing Establishments" with EPA as mandated by 7 U.S.C. §136e(c)(1) and 40 CFR §167.5.

4. A blank "Pesticide Report for Pesticide-Producing Establishments" was mailed to Respondent, by EPA, via certified mail, return receipt requested, and received by Respondent on or about December 15, 1986.

5. As provided in 7 U.S.C. §136j(a)(2)(L), it is unlawful for any person to violate any of the provisions of 7 U.S.C. §136e.

6. EPA alleged in the complaint that Respondent failed to file this required report with EPA by February 1, 1987. Such failure constitutes a violation of 7 U.S.C. §136e(c)(1) and 40 CFR §167.5. In its answer to the complaint, Respondent admitted it filed late; the report was mailed May 11, 1987.

Based upon the foregoing, and pursuant to the authority of 7 U.S.C. §1361(a) and the Consolidated Rules and Practice Governing the Administrative Assessment of Civil Penalties and the Revocation or Suspension of Permits, 40 CFR §22.18, it is hereby agreed as follows:

1. The Respondent shall comply hereafter with all provisions of the Act and 40 CFR Part 167.

2. Within thirty (30) days of the effective date and receipt of an executed copy of this Agreement, Respondent shall pay by cashier's or certified check a civil penalty for the violations cited herein in the amount of Seven hundred fifty dollars (\$750.00). The check shall be made payable to the Treasurer, United States of America. This payment shall be identified by the name and EPA docket number of this case, as they appear in the heading on this document, and shall be remitted to EPA Region II (Regional Hearing Clerk), P.O. Box 360188M, Pittsburgh, Pennsylvania 15251. A copy of the payment and any transmittal letter shall be sent to: Chief, Air & Pesticides Branch, Office of Regional Counsel, EPA Region II, 26 Federal Plaza, Room 437, New York, New York 10278.

a. Failure to remit the penalty in full according to the provisions above will result in the referral of this matter to the United States Attorney for collection in the appropriate United States Court pursuant to 7 U.S.C. §136(a)(5).

b. Furthermore, if payment is not received on or before the due date established herein, interest will be assessed pursuant to 28 U.S.C §1961 on the overdue amount for each thirty day period or portion thereof until payment is received. Interest charges will be based on the current value of funds to the U.S. Treasury established pursuant to Section 11 of the Debt Collection Act of 1982, 31 U.S.C. §3717, at the time this Order is issued. Such rate will remain in effect until full payment is received.

3. Complainant and Respondent agree that this Consent Agreement and Order is being entered into by the parties to this proceeding in full settlement of all liabilities which might have attached as a result of this proceeding. Respondent admits that EPA Region II has jurisdiction over the subject matter of the action set forth in the Complaint and over Respondent as a party thereto. Respondent explicitly waives its right to an adjudicatory hearing on the Complaint, this Agreement, or the attached Consent Order and agrees to pay the penalty amount set forth in this Agreement.

4. Respondent has read the foregoing Agreement, believes it to be reasonable, and consents to its issuance and its terms.

RESPONDENT:

SIGNATURE:

A handwritten signature in dark ink, appearing to read 'J. W. Fidler', is written over a horizontal line. The signature is stylized with a large, looping initial 'J'.

NAME:

J. W. Fidler

TITLE: President

DATE: November 10, 1987

COMPLAINANT:

Barbara Metzger
BARBARA METZGER *Nov 16, 1987*
Director
Environmental Services Division
U.S. Environmental Protection
Agency - Region II

ORDER

The Regional Administrator of EPA, Region II concurs in the foregoing Consent Agreement. The Agreement entered into by the parties is hereby approved and issued, effective immediately.

William J. Daggett
CHRISTOPHER J. DAGGETT
Regional Administrator
U.S. Environmental Protection
Agency - Region II
26 Federal Plaza
New York, New York 10278

DATE: 11/24/87

FILE #: 16 - 07 - 55

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
& ENERGY

DIVISION OF FACILITY WIDE ENFORCEMENT

BUREAU: NFO

GENERATOR INSPECTION REPORT

FACILITY INFORMATION

FACILITY NAME: Hercules Chemical Co.

EPA ID NUMBER: NJD 055 082 531 CASE NUMBER: _____

STREET ADDRESS: 111 South St., Passaic 07055

MUNICIPALITY: Passaic COUNTY: Passaic

MAILING ADDRESS: N/A
(if different)

BILLING ADDRESS: N/A
(if different)

TELEPHONE # (201) 778-8011 FAX # (201) 778-9088

BLOCK : _____ LOT : _____

FACILITY PERSONNEL: Stan Stelmack, Plant Manager
(name & title)

INSPECTION DATE: 4-22-93

INSPECTOR'S NAME & TITLE: Farouk Afrasiabi, Haz. Waste Supv

OTHER STATE/EPA PERSONNEL: None

REPORT PREPARED BY: F. Afrasiabi

REVIEWED BY: [Signature] DATE OF REVIEW: 5/7/93
DFWE 29 REV. 1/12/93

INSPECTION DATE(S): 4-22-93 _____
TIME IN: 1015 _____
TIME OUT: 1400 _____

PHOTOS TAKEN: YES (____) NO (☒) QUANTITY (____) ATTACH
PHOTO LOG

SAMPLES TAKEN: YES (____) NO (☒) HOW MANY (____) ATTACH
SAMPLE LOG

SITE BACKGROUND INFORMATION

EMPLOYEES: 70 SHIFTS/WEEK: 5

DATE OPERATIONS BEGUN: 1972 SIC CODE: _____

ACRES: 1 # OF BUILDINGS/SQFT: 1 / 80,000

PRODUCTS PRODUCED: Plumbing Materials

PREVIOUS OPERATIONS AT SITE: Unknown

WATER SUPPLY- PUBLIC: yes PRIVATE WELL: None

SOLID WASTE DISPOSAL: yes

FLOOR DRAINS: None

DRAINS CONNECTED TO- POTW: - SEPTIC SYSTEM: -

MONITORING WELLS: None

NON-HW. TANKS ON SITE : See attached

AIR PERMITS: For dust collectors

NJPDES PERMITS: No

OTHER PERMITS: -

FACILITY DESCRIPTION AND OPERATIONS

Hercules Chemical Company manufactures materials which are used in plumbing and building construction. The company, to a lesser extent, is also involved in the repackaging of some products manufactured by other companies. Hercules sells its products to the plumbing wholesalers.

The company's products include putty, caulking, refractory cement, waxed gaskets, paste solder and PVC cement. Some of the ingredients used in the production of the products are calcium carbonate, china clay, bentonite, amorphous silica and petroleum oils. The production processes at this site involve the blending/compounding of the necessary ingredients.

The repackaged materials include teflon tapes (thread sealant), brass bolts for toilets, cutting oils and sulfuric acid. The sulfuric acid is sold to the professional plumbers, who use it as an emergency drain opener.

The wax gaskets are manufactured every day. However, other products are manufactured as the orders come in.

PVC Cement Production

PVC cements are manufactured in 10 different colors and viscosities. To manufacture PVC cements, solvents, such as MEK and THF, resin and a thickening agent are blended in a 400-gallon tank. The product is then drummed and transferred to the filling station, where cans are filled.

Rebasol Waste

After each (PVC cement) run, they rinse out the mixing tank and the equipment with some solvent, generating solvent waste (Rebasol Waste). This waste, however, is saved and reworked into another batch of the same color PVC cement at a later date. Some Rebasol waste, as explained by the company official, is ultimately manifested off site as waste type F005.

QC Laboratory

Hercules Chemical has a QC lab at the site. This lab, however, does not generate any hazardous waste.

Hazardous Waste Storage Area

The hazardous waste is stored along one wall of the "flammable materials storage room". At the time of this inspection, the stored hazardous waste consisted of seventy (70) fifty-five (55) gallon drums of solvent waste, which were stacked five pallets high. Many drums were not marked with the accumulation start

date and none was marked/labeled "Hazardous Waste". The company, as a result, was cited for these deficiencies and they were made aware of the hazardous waste storage requirements.

Hazardous Waste Annual Reports and Manifests

The hazardous waste annual reports and manifests were not available for review during this inspection. It was, however, explained that the official who is in charge of their environmental affairs was on vacation and no one else knew where he kept these documents. The company was cited for these deficiencies.

HAZARDOUS WASTE GENERATION

Cleaning out the PVC and other filling machines with solvents generates waste type F005.

The excess Rebasol waste is manifested as waste type F005.

add additional pages as needed

Manifests reviewed from _____ through _____

Attach copies of manifests which have deficiencies.

[illegible]

add additional pages as needed

GENERATOR INDEX

CHECK THE SECTIONS AND ACTIVITIES OF THIS REPORT WHICH ARE APPLICABLE TO THE FACILITY AND COMPLETE THOSE SECTIONS FOR THIS INSPECTION.

GENERATOR WASTE MANAGEMENT PRACTICES

<u>#</u>	<u>SECTION</u>	<u>PAGE</u>
1.	WASTE DETERMINATION	7. <u>✓</u>
2.	GENERATOR STATUS	8. <u>✓</u>
3.	SATELLITE STORAGE AREAS	9. <u>✓</u>
4.	< 90 DAY CONTAINER STORAGE AREAS	10. <u>✓</u>
5.	WASTE OIL USEAGE	12. <u> </u>
6.	< 90 DAY ABOVE GROUND TANKS STORAGE AREAS	13. <u> </u>
7.	WASTE MANAGEMENT PRACTICES	14. <u>✓</u>
8.	GENERATOR MANIFESTS	15. <u>✓</u>
9.	EXPORTING HAZARDOUS WASTE	17. <u> </u>
10.	CONTINGENCY PLAN & EMERGENCY PROCEDURES	18. <u>✓</u>
11.	PERSONNEL TRAINING	20. <u>✓</u>
12.	PREPAREDNESS & PREVENTION	22. <u>✓</u>
13.	"WASTE WATER TREATMENT UNIT" QUALIFICATION	24. <u> </u>

SECTION 1.

WASTE DETERMINATION:

YES NO

DOES the facility generate "solid waste". ✓

DOES the facility generate a "hazardous waste". ✓

IS THE FACILITY CORRECTLY CLASSIFYING ITS WASTES? ✓ _____

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

8.5(a) Generator failed to determine
if its "solid waste" is hazardous? _____

7.4(x) Generator FAILED to properly classify its waste according to the "Hierarchy". _____

COMMENTS

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

SECTION 2.

GENERATOR STATUS

YES NO

Does the generator generate/accumulate >100 kg of hazardous waste (1kg acutely) or greater than 1001 gal of listed waste oil in any calender month?
(except x725 - 100 kg rule applies)

✓

If no, does the generator wish to deactivate his EPA ID. number?

— —

IS THE FACILITY IN COMPLIANCE WITH THE GENERATOR
REQUIREMENTS OF THIS INSPECTION REPORT?

✓

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

7.4(a)1 The Generator failed to have an EPA ID number.

COMMENTS

DFWE 29
REV 01/12/93

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SECTION 3.SATELLITE ACCUMULATION AREAS

IS THE FACILITY IN COMPLIANCE WITH THE
SATELLITE ACCUMULATION REGULATIONS?

YES NO
✓

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

-
- 9.3(d)1 Quantity of waste EXCEEDS 55 gal.or
1 qt. of acutely hazardous waste.
- 9.3(d)2 Containers FAIL to:
- Meet the standards of 7.2
(Container Requirements).
- Poor or leaking container.
- Container made of incompatable material.
- Container not kept securely closed.
- 9.3(d)3 Accumulation area is:
- NOT at or near a point of generation.
- NOT under the control of the operator.
- 9.3(d)4 Containers are NOT marked
"Hazardous waste".
- 9.3(d)5 Containers NOT marked with date
when filled.
- 9.3(d)6 Containers were NOT moved from
satellite area within three days.

COMENTS

SECTION 4.GENERATOR CONTAINER STORAGE AREAS

IS THE FACILITY IN COMPLIANCE WITH THE
GENERATOR STORAGE REGULATIONS? YES NO
_____ ✓

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

7.2(a)	<u>NO</u> manifest number on containers ready for disposal.	_____
7.2(b)	Containers <u>FAILED</u> to meet DOT regulations. (49CFR 171,179)	_____
9.3(a)1	Waste <u>ACCUMULATED</u> OVER 90 DAYS.	<u>✓</u>
9.3(a)3	Containers <u>NOT</u> marked with accumulation start date or "Hazardous Waste".	<u>✓</u>
9.4(d)1i	Containers <u>NOT</u> of adequate construction.	_____
9.4(d)1ii	Closures <u>NOT</u> of sufficient strength.	_____
9.4(d)2	Containers <u>NOT</u> in good condition.	_____
9.4(d)3	Containers <u>NOT</u> compatible with waste.	_____
9.4(d)4i	Containers <u>NOT</u> kept closed.	_____
9.4(d)4iii	Containers <u>NOT</u> properly handled.	_____
9.4(d)4iv	Hazardous wastes <u>NOT</u> segregated.	_____
9.4(d)4v	ID Labels <u>NOT</u> visible.	<u>✓</u>
9.4(d)4vi	Cleaning of empty containers does <u>NOT</u> take place in a designated area.	_____
9.4(d)4vii	Rinse waters <u>NOT</u> handled properly.	_____
9.4(d)4viii	Container reuse <u>NOT</u> in compliance with DOT regulations.	_____
9.4(d)5	The storage area is <u>NOT</u> inspected.	<u>✓</u>
9.4(d)6	Containers of ignitable and reactive wastes are <u>NOT</u> located at least 50 feet from the facility's property line.	_____

SECTION 5WASTE OIL

YES NO

IS THE FACILITY IN COMPLIANCE WITH THE
WASTE OIL STORAGE REGULATIONS? _____

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

The generator ONLY generates or accumulates less
than 1001 gals. of waste oil per month and:

7.7(d) Generator FAILED to obtain receipts
and retain them for three years. _____

9.2(b) If under ground tanks are used to
store waste oil, the generator
is NOT a:

1. New commercial service
station waste oil tanks
of <1001 gal capacity* _____

or does NOT:

2. Use underground tanks in
existence and in use for
Hazardous Waste storage
prior to 1/17/83. _____

NOTE: If the generator generates over 100 kg of
hazardous waste and any listed waste oil or
generates/stores >1001* gal of waste oil in
any given month MUST be in compliance with
ALL generator requirements.

COMMENTS:

SECTION 6.

ABOVE GROUND TANKS

YES NO

IS THE FACILITY IN COMPLIANCE WITH THE ABOVE
GROUND <90 DAY STORAGE TANK REGULATIONS?

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

If the generator stores hazardous waste in an above ground tank for <90 days, the generator FAILED to:

- 9.3(b) Have a letter of approval? _____
- 9.3(b)2 Have overfilling controls? _____
- 9.3(b)3 Have secondary containment? _____
- 9.3(b)4 Insure that 99% of the tank can be emptied? _____
- 9.3(b)5 Empty the tank every 90 days? _____
- 9.3(b)6 Remove all wastes from the tank(s)? _____
- 9.3(b)8 If part of the tank is below grade, all of the tank cannot be visually inspected. _____
- 9.3(b)9 The tank is not labeled with the words "HAZARDOUS WASTE". _____

COMMENTS

DFWE 29
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SECTION 7.WASTE MANAGEMENT

IS THE FACILITY IN COMPLIANCE WITH THE WASTE
MANAGEMENT REGULATIONS?

YES NO

_____ ✓

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

12.1(a) Generator IS ACTING as a TSDF by:

1. Treating hazardous waste. _____

2. Storing hazardous waste. _____

3. Disposing of hazardous waste on
site? _____

9.3(a)1 Site IS ACTING as a generator but
accumulating waste in containers or
approved tanks for more than 90 days. ✓

9.2(a)2 Hazardous waste IS handled in a manner
which causes or may cause a spill. _____

N.J.S.A. 58:10-23.11(c)

Discharge of a hazardous substance. _____

N.J.S.A. 58:10-23.11(e)

Failure to report the discharge. _____

IF THE FACILITY IS ACTING AS A TSDF, COMPLETE THE TSD
REPORT.

COMMENTS:

SECTION 8.GENERATOR MANIFESTS

YES NO

IS THE FACILITY IN COMPLIANCE WITH THE GENERATOR
MANIFEST REGULATIONS? _____ ✓

IF NO, CHECK THE ITEMS OF NON COMPLIANCE

7.4(a)3	Generator <u>FAILED</u> to prepare a Hazardous Waste Manifest.	_____
7.4(a)4	Each manifest <u>failed</u> to have the following information:	
7.4(a)4i	Generator's name, mailing address (site address if different), and phone number.	_____
7.4(a)4ii	The generator's EPA ID number.	_____
7.4(a)4iii	The transporter(s) name, phone number, NJ registration and decals numbers.	_____
7.4(a)4iv	The transporter(s) EPA ID number.	_____
7.4(a)4v	The name, address and phone number of the designated TSD facility.	_____
7.4(a)4vi	The TSDF's EPA ID number.	_____
7.4(a)4vii	The proper USDOT description.	_____

OR

	Complete NOS information in item J.	_____
7.4(a)4viii	Special handling instructions.	_____
7.4(a)5i	The generator signature and date.	_____
7.4(a)5ii	Transporter's signature & date.	_____
7.4(a)5iii	Generator <u>FAILED</u> to retain copy and forward copies to the state of origin & state of destination.	_____
7.4(a)5v	Generator <u>FAILED</u> to give the remaining copies to hauler.	_____

- 7.4(e)2 Generator FAILED to use a registered Transporter. _____
- 7.4(e)3 Generator FAILED to designate an authorized TSD or reuse facility. _____
- 7.4(e)4 Generator FAILED to utilize an authorized TSD. _____
- 7.4(f) Generator FAILED to maintain the following facility records for three (3) years:
- 7.4(f)1 Manifests. _____ ✓
- 7.4(f)2 Annual and/or exception reports. _____ ✓
- 7.4(f)3 Generator FAILED to maintain records during the course of unresolved enforcement action or as requested. _____
- 7.4(h)1 Generator has FAILED to receive signed copies of all manifests. _____
- 7.4(h)1 Generator FAILED to notify the TSD or Department within 35 days. _____
- 7.4(h)2 Generator FAILED to file exception reports within 45 days. _____

COMMENTS:

SECTION 9.

HAZARDOUS WASTES EXPORTATION

YES NO

IS THE FACILITY IN COMPLIANCE WITH THE EXPORT
REQUIREMENTS OF THE REGULATIONS?

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

Generator FAILED to:

7.4(b) Notify the EPA of its intent to export. _____

Obtain acknowledgement of consent from the receiving country.

7.4(c) Provide the information required in N.J.A.C. 7:26-7.4 ET. SEQ.to the EPA. _____

7.4(c)7 Insure that the acknowledgement is attached to each manifest.

7.4(c)8 Deliver a copy of the Manifest to Customs at the point of departure? _____

7.4(g)4 Submit an annual report to the EPA? _____

COMMENTS:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

SECTION 10.CONTINGENCY PLAN AND EMERGENCY PROCEDURES

YES NO

IS THE FACILITY IN COMPLIANCE WITH THE CONTINGENCY
PLAN & EMERGENCY PROCEEDURES REGULATIONS? ✓

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

- 9.7(a) NO contingency plan.
- 9.7(b) Generator FAILED to impliment the
plan in an emergency.
- 9.7(c) Plan FAILED to describe the response
actions facility personnel and local
authorities shall take.
- 9.7(d) Generator FAILED to prepare a Spill
Prevention, Control, and Counter-
measures (SPCC) Plan in accordance
with 40 CFR 112 or 300 or a Discharge
Prevention Containment and Counter-
measure (DPCC) Plan in accordance with
N.J.A.C. 7:1E-4.1 et seq.

NOTE: DPCC: A schedule of regulated storage
volumes and their effective dates
can be found in N.J.A.C. 7:1E-4.6(b).

SPCC: Storage of any kind of oil and most
oil products including gasoline and
fuel oils If:

1. >660 gal single tank
2. >1,320 gal multiple tanks
3. >42,000 gal underground storage.

- 9.7(d) Generator has a DPCC or SPCC plan,
and FAILED to amend that plan to
incorporate hazardous waste
management.
- 9.7(e) Plan FAILS to describe arrange-
ments agreed to by local authorities.
- 9.7(f) Plan FAILS to list names, addresses,
and phone numbers (office and home)
of emergency coordinators.

SECTION 11.PERSONNEL TRAINING

IS THE FACILITY IN COMPLIANCE WITH THE
PERSONNEL TRAINING REGULATIONS?

YES NO

✓

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

-
- 9.4(g)2 Training program NOT directed by a
person trained in hazardous waste
management procedures and, is it
NOT designed to ensure that facility
personnel are able to respond
effectively.
- 9.4(g)3 Program FAILS to include the
following response procedures:
- 9.4(g)3i Use of personnel safety equipment.
- 9.4(g)3ii Procedures for using facility
emergency and monitoring equipment.
- 9.4(g)3iii Key parameters for automatic
waste feed cut-off systems.
- 9.4(g)3iv Procedures for utilizing
communications or alarm systems.
- 9.4(g)3v Responds procedures for fires
& explosions.
- 9.4(g)3vi Ground water contamination
responds procedures.
- 9.4(g)3vii Shutdown procedures.
- 9.4(g)4 Personnel have NOT successfully
completed training within six
months of the date of their
employment or assignment to a
new position at the facility.
- 9.4(g)5 Personnel do NOT take part in an
annual review of training.
- 9.4(g)6 NO written documentation
of the following:
- 9.4(g)6i Job title for each position and the
name of the employee filling each job.

94(9)6ii	A written job description.	_____
9.4(g)6iii	Description of the training given to personnel.	_____
9.4(g)6iv	Documentation of actual training.	_____
9.4(g)7	Training records are <u>NOT</u> kept.	_____
9.4(g)8	Semi-annual drills, involving all employees and local authorities are <u>NOT</u> conducted.	_____

AND,

9.4(g)8i Generator FAILED to petition the Department for an exemption from the drill requirement.

OR

9.4 (g) iii Generator FAILED to petition the Department for an exemption excluding local officials.

COMMENTS

[illegible]

SECTION 12.PREPAREDNESS AND PREVENTION

	YES	NO
IS THE FACILITY IN COMPLIANCE WITH THE PREPAREDNESS & PREVENTION REGULATIONS?	<u>✓</u>	<u> </u>

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

9.6(b) Facility FAILS to have:

9.6(b)1 Communications or alarm system.

9.6(b)2 A telephone or device to summon
emergency assistance.

9.6(b)3 Portable emergency equipment.

9.6(b)4 Adequate Water supply.

9.6(c) Generator FAILED to test and
maintain emergency equipment.

9.6(f) Generator FAILED to:

9.6(f)1 Familiarize Police, fire depart-
ments, and emergency response
teams with the layout of the
facility, & hazardous waste handled.

9.6(f)2 Have an agreement designating
primary emergency authority to a
specific police and fire department
where more than one Police and fire
department are involved.

9.6(f)3 Make agreements with emergency
response contractors, and
equipment supplier.

9.6(f)4 Make arrangements to familiarize
local hospitals with the properties
of hazardous waste handled at the
facility and the types of injuries
result from fires, explosions,
or discharges at the facility.

9.6(f)5 Make arrangements with local fire
departments to inspect the
facility on a regular basis with
at least two (2) inspections
annually.

9.6(f)6

Document when authorities identified in (f)1 through 5 above declined to enter into such arrangements.

COMMENTS:

DFWE 29
REV 01/12/93

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SECTION 13.WASTE WATER TREATMENT PLANT SLUDGE

YES NO

IS THE FACILITY IN COMPLIANCE WITH THE WWTP
REQUIREMENTS? _____

IF NO, CHECK THE ITEMS OF NON COMPLIANCE.

If the answer is YES to any of the questions listed below,
the sludge drying unit is subject to Hazardous Waste
Facility permit requirements and must be regulated as a
Miscellaneous Unit pursuant to N.J.A.C. 7:26-10.9 et seq.
The generator is operating as an illegal TSDF and SHOULD
BE CITED for being in violation of
N.J.A.C. 7:26-12.1(A).

1. "WASTE WATER TREATMENT UNIT" QUALIFICATION PER
7:14A-4.3

The drying unit is NOT part of a waste water
treatment facility which is subject to
regulation under Section 402 or Section 307(b)
of the federal Clean Water Act. _____

Note: In order to be considered "part of" the facility,
the dryer need not be physically connected to the
W.W.T. facility, but must be located at the same
site.

The drying unit does NOT treat a sludge which
is generated on-site by the wastewater treatment
facility. _____

The sludge is NOT to be treated as a regulated
hazardous waste as defined at N.J.A.C. 7:26-8. _____

The drying unit does NOT meet the definition of
a "tank" at N.J.A.C. 7:14A-4.3. _____

Note: "Tank" means a stationary device designed to
contain an accumulation of hazardous waste and
constructed of non-earthen materials which provide
the structural strength to totally contain the
waste. Dryers that are integrally equipped with
feed or discharge hoppers for treatment of sludge
in bulk satisfy the definition of "tank". Others
not so designed may still be considered tanks on a
case-by-case bases.

2. PRIMARY PURPOSE RESTRICTION

The primary purpose of the dryer is NOT to dehydrate sludge, BUT TO destroy sludge to produce an ash residue.

3. THERMAL INPUT LIMITATION:

The dryer's maximum total thermal input, excluding the heating value of the sludge itself, IS MORE than 2,500 BTU's per pound of sludge treated on a wet-weight bases.

Note: Total thermal input equals dryer heating capacity (converted to btu/min) multiplied by the maximum drying time divided by weight of sludge per batch.

use the space provided below to determine the total thermal input.

COMMENTS:

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State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 028, Trenton, NJ 08625-0028

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's USE ONLY		Manifest Section		Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address HERCULES CHEMICAL CO. 111 SOUTH STREET PASSAIC, NJ 07054				A. State Manifest Document Number NJA 1672143							
4. Generator's Phone (201) 778-8011				B. State Generator's ID SAME							
5. Transporter 1 Company Name MARISOL INC.				C. State Trans. ID NJDEPE 934499							
7. Transporter 2 Company Name				D. Transporter's Phone (908) 469-5100							
9. Designated Facility Name and Site Address MARISOL INC. 125 FACTORY LANE MIDDLESEX, NJ 08840				E. State Trans. ID							
10. US EPA ID Number NJ0002454544				F. Transporter's Phone ()							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM a. X RO. WASTE FLAMMABLE LIQUIDS, N.O.S., (METHYL ETHYL KETONE, TETRAHYDROFURAN), 3, UN1993				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.	
				001 TT X3666G						F005	
b.											
c.											
d.											
J. Additional Descriptions for Materials Listed Above L, I, T. D001, D035. MEK 80- 99%, TETRAHYDROFURAN 1-9% AND PIGMENTS/GLUE 1-9%				K. Handling Codes for Wastes Listed Above T04							
15. Special Handling Instructions and Additional Information EMERGENCY PHONE * 908-469-5100 DECAL 44098											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name EUGENE A BROWN				Signature Eugene A Brown				Month Day Year 04/28/93			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name E. F. GARDELLI				Signature E. F. GARDELLI				Month Day Year 04/28/93			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name											
Signature											
Month Day Year											

NJA 1672143

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection and Energy. (609) 292-7172

Marisol Incorporated

125 Factory Lane
Middlesex, N.J. 08846

This notice is being sent to you in accordance with 40 CFR 268.7 to inform you that this shipment contains the solvents identified below which are restricted from landfill. You should be aware that the residues from the treatment of these materials may not be landfilled unless the concentration is below the applicable non-wastewater treatment standard(s).

Manifest contains the following EPA Hazardous Waste Numbers: (check box(es))

F001-> ☐ F002-> ☐ F003-> ☐ F004-> ☐ F005-> ☒

The following materials are contained in the waste stream:

<i>MATERIAL</i>		NON-WASTEWATER TREATMENT STANDARD (mg/kg)
X	Acetone	160.0
	Benzene	3.7
	n-Butyl Alcohol	2.6
	Carbon Tetrachloride	5.6
	Chlorobenzene	5.7
	Cresols (m- and p- isomers)	3.2
	o-Cresol	5.6
	o-Dichlorobenzene	6.2
	Ethyl Acetate	33.0
	Ethyl Benzene	6.0
	Ethyl Ether	160.0
	Isobutyl Alcohol	170.0
	Methylene Chloride	33.0
✓	Methyl Ethyl Ketone	36.0
	Methyl Isobutyl Ketone	33.0
-	Nitrobenzene	14.0
	Pyridine	16.0
	Tetrachloroethylene	5.6
	Toluene	28.0
	1,1,1-Trichloroethane	5.6
	1,1,2-Trichloroethane	7.6
	Trichloroethylene	5.6
	1,1,2-Trichloro-1,2,2-Trifluoroethane	28.0
	Trichloromonofluoromethane	33.0
	Xylenes (total)	28.0
	Carbon Disulfide (268.41 Table CCWE)	4.8
	Cyclohexanone (268.41 Table CCWE)	0.75
X	Methanol (268.41 Table CCWE)	0.75



50307

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 028, Trenton, NJ 08625-0028

T031X

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		NJ0055082531 72/43		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
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4. Generator's Phone (201) 778-8011 ATTN:				B. State Generator's ID SAME			
5. Transporter 1 Company Name MARISOL INC.				C. State Trans. NJDEPE S 2 8 0 9			
7. Transporter 2 Company Name				D. Transporter's Phone (908) 469-5100			
9. Designated Facility Name and Site Address MARISOL INC. 125 FACTORY LANE MIDDLESEX, NJ 08846				E. State Trans. ID			
10. US EPA ID Number NJD002454544				F. Transporter's Phone ()			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM				G. State Facility's ID			
12. Containers				H. Facility's Phone (908) 469-5100			
a. X		RQ, WASTE FLAMMABLE LIQUIDS, N.O.S., (METHYL ETHYL KETONE, TERAHYDROFURAN), 3, UN1993		13. Total 4,192		14. Unit G	
b.				001		F005	
c.							
d.							
J. Additional Descriptions for Materials Listed Above L, I, T. D001, D035. MEK 80-99%, TERAHYDROFURAN 1-9% AND PIGMENTS/GLUE 1-9%				K. Handling Codes for Wastes Listed Above T04			
15. Special Handling Instructions and Additional Information EMERGENCY PHONE # 908/469-5100. DECAL 44098				T04=RECOVERY. DRIVER EQUIPPED WITH ERG BOOK. 24 HOUR			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name ED GENE W BROWN				Signature <i>Eugene W Brown</i>			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name E. P. GARDEN				Signature <i>E. P. Garden</i>			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature			
19. Discrepancy Indication Space ACTUAL QUANTITY RECEIVED WAS 4,192 GALLONS, AS THE DRIVER MIS-GAUGED THE TANKWAGON. THE GENERATOR WAS NOTIFIED OF THE DISCREPANCY. THE ACTUAL QUANTITY WAS DETERMINED BY WEIGHT. PLEASE CHANGE ALL COPIES TO REFLECT THIS CORRECTION.				J. KOHL			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name LEMON H DUNCAN				Signature <i>Lemon H Duncan</i>			

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection and Energy. (609) 292-7172

GENERATOR

TRANSPORTER

FACILITY

NJ0055082531



41940

State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ D 0 1 5 1 0 8 2 5 3 1 1 6 3 3 6 2		Manifest Document No. 2		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address HERCULES CHEMICAL CORP. 111 SOUTH STREET PASSAIC, N.J. 07055		6. US EPA ID Number NJ D 0 0 2 4 5 4 5 4 4		A. State Manifest Document Number NJA 0965342		B. State Generator's ID BAH		C. State Trans. ID NJ DEP 8 1 2 8 0 9	
4. Generator's Phone (201) 778-8011		7. Transporter 1 Company Name MARISOL, INC.		8. US EPA ID Number NJ D 0 0 2 4 5 4 5 4 4		D. Transporter's Phone (908) 469-5100		E. State Trans. ID	
5. Transporter 2 Company Name		9. Designated Facility Name and Site Address MARISOL, INC. 125 FACTORY LANE MIDDLESEX, NJ 08846		10. US EPA ID Number NJ D 0 0 2 4 5 4 5 4 4		F. Transporter's Phone ()		G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. X WASTE FLAMMABLE LIQUID, N.O.S. FLAMMABLE LIQUID, UN 1993 (METHYL ETHYL KETONE & THF)		0 0 1 T T		44744		G		7 0 0 3	
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above I, T, L D001 D035 a. SEE SECTION 15.		K. Handling Codes for Wastes Listed Above T, D, A		b.		c.		d.	
15. Special Handling Instructions and Additional Information 90% METHYL ETHYL KETONE 5% THF 5% SOLIDS T-04- RECOVERY 24 HOUR EMERGENCY RESPONSE NUMBER 908/469-5100 DRIVER EQUIPPED WITH ERG - UTILIZE GUIDE NO. 27		DCA/6831							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		Printed/Typed Name GAN GADHAR VARMA		Signature <i>[Signature]</i>		Month Day Year 10 30 89			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name M. TAVANTIA		Signature <i>[Signature]</i>		Month Day Year 10 30 89					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year					
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 9. Printed/Typed Name LEONARD L. DEAN		Signature <i>[Signature]</i>		Month Day Year 10 30 89					

CN 028, Trenton, NJ 08625

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

in case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection. (609) 292-5560 (Day) (609) 292-7172 (Night)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ00002506793145314		Manifest Document No. NJ00002506793145314		Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address RECONSTRUCT CHEMICAL CORP. 111 SOUTH STREET PASADENA, CA 92355				A. State Manifest Document Number NJA C965342		B. State Generator's ID SAME			
4. Generator's Phone () 778-8011				C. State Trans. ID NJDEP S-126109		D. Transporter's Phone () 908 469-5100			
5. Transporter 1 Company Name MARISOL, INC.				6. US EPA ID Number NJ00002506793145314		E. State Trans. ID			
7. Transporter 2 Company Name				8. US EPA ID Number		F. Transporter's Phone ()			
9. Designated Facility Name and Site Address MARISOL, INC. 125 FACTORY LANE MIDDLESEX, NJ 08846				10. US EPA ID Number NJ00002506793145314		G. State Facility's ID			
						H. Facility's Phone () 908 469-5100			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM				12. Containers No. Type		13. Total Quantity		14. Unit Unit Wt/Vol	
a.	X	WASTE FLAMMABLE LIQUID, N.O.S. FLAMBLE LIQUID, UN 1993 (METHYL ETHYL KETONE & THF)		0 0 1 T T		4 4 4 4		G	
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above I.T.L D001 D035 SEE SECTION 15.				K. Handling Codes for Wastes Listed Above T O A					
a.									
b.									
15. Special Handling Instructions and Additional Information 90% METHYL ETHYL KETONE 5% THF 5% SOLIDS DRIVER EQUIPPED WITH ERG - UTILIZE GUIDE NO. 27				T-04- RECOVERY 24 HOUR EMERGENCY RESPONSE NUMBER 908/469-5100					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name MARISOL, INC.				Signature [Signature]				Month Day Year 11 11 11	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name [Name] Signature [Signature] Month Day Year 11 11 11									
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name [Name] Signature [Signature] Month Day Year 11 11 11									
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name [Name] Signature [Signature] Month Day Year 11 11 11									

**125 Factory Lane
Middlesex, N.J. 08846**

This notice is being sent to you in accordance with 40 CFR 268.7 to inform you that this shipment contains the solvents identified below which are restricted from landfill. You should be aware that the residues from the treatment of these materials may not be landfilled unless the concentration is below the applicable non-wastewater treatment standard(s).

Manifest contains the following EPA Hazardous Waste Numbers: (check box(es))

F001-> ☐ F002-> ☐ F003-> ☐ F004-> ☐ F005-> ☒

The following materials are contained in the waste stream:

MATERIAL		NON-WASTEWATER TREATMENT STANDARD (mg/l)
<input checked="" type="checkbox"/>	Acetone	0.590
	Benzene	3.700 (total)
	n-Butyl Alcohol	5.000
	Carbon Disulfide	4.810
	Carbon Tetrachloride	0.960
	Chlorobenzene	0.050
	Cresols (and Cresylic Acid)	0.750
<input checked="" type="checkbox"/>	Cyclohexanone	0.750
	1,2 Dichlorobenzene	0.125
	2-Ethoxyethanol	Incineration
	Ethyl Acetate	0.750
	Ethyl Benzene	0.053
	Ethyl Ether	0.750
	Isobutanol	5.000
<input checked="" type="checkbox"/>	Methanol	0.750
	Methylene Chloride	0.960
<input checked="" type="checkbox"/>	Methyl Ethyl Ketone	0.750
	Methyl Isobutyl Ketone	0.330
	Nitrobenzene	0.125
	2-Nitropropane	Incineration
	Pyridine	0.330
	Tetrachloroethylene	0.050
	Toluene	0.330
	1,1,1-Trichloroethane	0.410
	1,1,2-Trichloroethane	7.600 (total)
	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.960
	Trichloroethylene	0.091
	Trichlorofluoromethane	0.960
	Xylene	0.150

LAND DISPOSAL RESTRICTION NOTICE

accordance with 40 CFR 268.7 this notice is to inform you that these wastes are restricted from land disposal unless they are treated: 1.) to below the treatment standards specified in 268.41 or 2.) in accordance with the technology-based standards defined in 268.42, namely, FSUBS (Fuel substitution), INCIN (Incineration) and/or RORGS (Recovery of organics).

The wastes are:

☒ D001
____ D002
____ U001
____ U002
____ U003
____ U004
____ U008
____ U009
____ U012
____ U019
____ U028
____ U031
____ U037
____ U043
____ U044
____ U051
____ U052
____ U053
____ U054
____ U055
____ U056
____ U057
____ U069
____ U070
____ U071
____ U072
____ U076
____ U077
____ U078
____ U079

____ U080
____ U083
____ U084
____ U085
____ U088
____ U092
____ U102
____ U107
____ U108
____ U110
____ U112
____ U113
____ U117
____ U118
____ U121
____ U122
____ U124
____ U125
____ U140
____ U152
____ U154
____ U159
____ U161
____ U162
____ U169
____ U171
____ U186
____ U188
____ U191
____ U194

____ U196
____ U203
____ U208
____ U209
____ U210
____ U211
____ U213
____ U220
____ U225
____ U226
____ U227
____ U228
____ U239
____ U328
____ U353
____ U359

GENERATOR

HERCULES CHEMICAL CORP.

MANIFEST No. NJA 0965342

SIGNATURE

DATE

03/08/91

SEE OTHER SIDE!



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N J D 0 5 5 0 8 2 5 3 1 6 5 3 9 6		Manifest Document No. 1		2. Page 1 of 1 Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Heroules Chemical Corp 111 South Street Passaic, NJ 07055				A. State Manifest Document Number NJA 0965396			
4. (201) 778-2011				B. State Generator's ID NAME			
5. Transporter 1 Company Name Marisol, Inc				C. State Trans. ID NJDEP 8-2809			
6. US EPA ID Number 8 JD 002 4 5 4 5 4 4				D. Transporter's Phone 908 469-5100			
7. Transporter 2 Company Name				E. State Trans. ID			
8. US EPA ID Number				F. Transporter's Phone 908 469-5100			
9. Designated Facility Name and Site Address Marisol, Inc 125 Factory Lane Middletown, NJ 08846				G. State Facility's ID			
10. US EPA ID Number N J D 0 0 2 4 5 4 5 4 4				H. Facility's Phone 908 469-5100			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM				12. Containers No. Type		13. Total Quantity	14. Unit Wt/Vol
a. WASTE FLAMMABLE LIQUID, N.O.S							
b. FLAMMABLE LIQUID, UN 1993 (METHYL ETHYL KETONE & THF)				0 0 1 T T X 6 0 4 3 6		P 0 0 5	
c.							
d.							
J. Additional Descriptions for Materials Listed Above I, T, L D001 D035				K. Handling Codes for Wastes Listed Above			
a. See section 15				b. T 0 4			
c.				d.			
15. Special Handling Instructions and Additional Information 90% Methyl Ethyl Ketone 5% THF 5% Solids 24 Hour emergency Response Number 908/469-5100 Driver equipped with ERG - Utilize guide No. 27							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Gangadhar Varma				Signature <i>Gangadhar Varma</i>		Month Day Year 10/16/94	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Anthony J. Chalinski		Signature <i>Anthony J. Chalinski</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name CAROLYN MONARCHIO				Signature <i>Carolyn Monarchio</i>		Month Day Year 10/16/94	



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

Please type or print in block letters. (Form designed for use on ellipse (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address		Heracles Chemical Corp 111 South Street Passaic, NJ 07055		A. State Manifest Document Number NJA C965396		
4. (201) 778-8011		6. US EPA ID Number		B. State Generator's ID SAHE		
5. Transporter 1 Company Name Marisol, Inc		8. US EPA ID Number		C. State Trans. ID NJDEP S-3809		
7. Transporter 2 Company Name		10. US EPA ID Number		D. Transporter's Phone (908) 469-3100		
9. Designated Facility Name and Site Address Marisol, Inc 125 Factory Lane Middlesex, NJ 08846		12. Containers		E. State Trans. ID		
		13. Total Quantity		F. Transporter's Phone (908) 469-3100		
		14. Unit Wt/Vol		G. State Facility's ID		
		I. Waste No.		H. Facility's Phone (908) 469-3100		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		No.		Type		
a. WASTE FLAMMABLE LIQUID, N.O.S		001		TT		
b. FLAMMABLE LIQUID, UN 1993 (METHYL ETHYL KETONE & THF)		6043		C		
c.						
d.						
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above				
1, 2, L D001 D035		a. T		b. 0		
a. See section 15		c.		d.		
b.						
15. Special Handling Instructions and Additional Information						
90% Methyl Ethyl Ketone		T-04 = Recovery				
5% THF		24 Hour emergency Response Number 908/469-3100				
5% Solids		Driver equipped with ERG - Utilize guide No. 27				
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name		Signature		Month Day Year		
Gangadhar Varma				10 16 91		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
Anthony J. Walinski				1 0 1 6 91		
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature		Month Day Year		

Marisol Incorporated
125 Factory Lane
Middlesex, N.J. 08846

This notice is being sent to you in accordance with 40 CFR 268.7 to inform you that this shipment contains the solvents identified below which are restricted from landfill. You should be aware that the residues from the treatment of these materials may not be landfilled unless the concentration is below the applicable non-wastewater treatment standard(s).

Manifest contains the following EPA Hazardous Waste Numbers: (check box[es])

F001-> ☐ F002-> ☐ F003-> ☐ F004-> ☐ F005-> ☒

The following materials are contained in the waste stream:

MATERIAL		NON-WASTEWATER TREATMENT STANDARD (mg/l)
×	Acetone	0.590
	Benzene	3.700 (total)
	n-Butyl Alcohol	5.000
	Carbon Disulfide	4.810
	Carbon Tetrachloride	0.960
	Chlorobenzene	0.050
	Cresols (and Cresylic Acid)	0.750
×	Cyclohexanone	0.750
	1,2 Dichlorobenzene	0.125
	2-Ethoxyethanol	Incineration
	Ethyl Acetate	0.750
	Ethyl Benzene	0.053
	Ethyl Ether	0.750
	Isobutanol	5.000
×	Methanol	0.750
	Methylene Chloride	0.960
×	Methyl Ethyl Ketone	0.750
	Methyl Isobutyl Ketone	0.330
	Nitrobenzene	0.125
	2-Nitropropane	Incineration
	Pyridine	0.330
	Tetrachloroethylene	0.050
	Toluene	0.330
	1,1,1-Trichloroethane	0.410
	1,1,2-Trichloroethane	7.600 (total)
	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.960
	Trichloroethylene	0.091
	Trichlorofluoromethane	0.960
	Xylene	0.150

LAND DISPOSAL RESTRICTION NOTICE

In accordance with 40 CFR 268.7 this notice is to inform you that these wastes are restricted from land disposal unless they are treated: 1.) to below the treatment standards specified in 268.41 or 2.) in accordance with the technology-based standards defined in 268.42, namely, FSUBS (Fuel substitution), INCIN (Incineration) and/or RORGS (Recovery of organics).

The wastes are:

<u>X</u> D001	_____ U078	_____ U191
_____ D002	_____ U079	_____ U194
_____ D018	_____ U080	_____ U196
_____ D019	_____ U083	_____ U203
_____ U001	_____ U084	_____ U208
_____ U002	_____ U085	_____ U209
_____ U003	_____ U088	_____ U210
_____ U004	_____ U092	_____ U211
_____ U008	_____ U102	_____ U213
_____ U009	_____ U107	_____ U220
_____ U012	_____ U108	_____ U225
_____ U019	_____ U110	_____ U226
_____ U028	_____ U112	_____ U227
_____ U031	_____ U113	_____ U228
_____ U037	_____ U117	_____ U239
_____ U043	_____ U118	_____ U328
_____ U044	_____ U121	_____ U353
_____ U051	_____ U122	_____ U359
_____ U052	_____ U124	<u>D035</u>
_____ U053	_____ U125	_____
_____ U054	_____ U140	_____
_____ U055	_____ U152	_____
_____ U056	_____ U154	_____
_____ U057	_____ U159	_____
_____ U069	_____ U161	_____
_____ U070	_____ U162	_____
_____ U071	_____ U169	_____
_____ U072	_____ U171	_____
_____ U076	_____ U186	_____
_____ U077	_____ U188	_____

GENERATOR

HERCULES CHEMICAL CO. MANIFEST No. NJA 0965396

SIGNATURE

Baylmore

DATE

10/16/91



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address		HERCULES CHEMICAL CORP. 111 SOUTH STREET PASSAIC, NJ 07055		NJ 1005502058145110		A. State Manifest Document Number		NJ 1245110	
4. Generator's Phone (201) 778-8011		5. Transporter 1 Company Name		6. US EPA ID Number		B. State Generator's ID		NONE	
MARISOL, INC.		NJ 00002454544				C. State Trans. ID		NJ 00002454544	
7. Transporter 2 Company Name		8. US EPA ID Number				D. Transporter's Phone (908) 469-5100			
9. Designated Facility Name and Site Address		10. US EPA ID Number				E. State Trans. ID			
MARISOL, INC. 125 FACTORY LANE HIDDLESEX, NJ 08846		NJ 00002454544				F. Transporter's Phone			
						G. State Facility's ID			
						H. Facility's Phone (908) 469-5100			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol	
HM				No. Type				Waste No.	
a. X WASTE FLAMMABLE LIQUID, N.O.S. FLAMMABLE LIQUID, UN 1993 (METHYL ETHYL KETONE/THF)				001 TT		2224		G F10093	
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above					
I.T.L. D001, D035 SEE SECTION 15				a. T b. 0 c. 4					
b.				b. c. d.					
15. Special Handling Instructions and Additional Information									
90% METHYL ETHYL KEYTONE 5% THF 5% SOLIDS				T-04 = RECOVERY 24 HOUR EMERGENCY NUMBER 908/469-5100 DRIVER EQUIPPED WITH ERG, GUIDE NO.27					
DECAL NUMBER 61841									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name				Signature				Month Day Year	
GILGIDHAR VARMA				[Signature]				6/12/77	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature				Month Day Year	
Printed/Typed Name				Signature				Month Day Year	
M. Tarantino				[Signature]				01/27/82	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature				Month Day Year	
Printed/Typed Name				Signature				Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name				Signature				Month Day Year	
David L. Flood				[Signature]				01/27/82	



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please type or print in block letters. (Form designed for use on ellipse (12-pitch) typewriter.)

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection. (609) 292-5560 (Day) (609) 292-7172 (Night)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address HERCULES CHEMICAL CORP. 111 SOUTH STREET PASSAIC, NJ 07653						A. State Manifest Document Number NJA 1245110							
4. Generator's Phone (201) 778-0011						B. State Generator's ID NONE							
5. Transporter 1 Company Name HARISOL, INC.						C. State Trans. ID NJ0000118							
6. US EPA ID Number						D. Transporter's Phone (908) 462-5100							
7. Transporter 2 Company Name						E. State Trans. ID							
8. US EPA ID Number						F. Transporter's Phone ()							
9. Designated Facility Name and Site Address HARISOL, INC. 125 FACTORY LANE MICHAELSK, NJ 08546						G. State Facility's ID							
10. US EPA ID Number						H. Facility's Phone (908) 462-5100							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. X EAST FLAMMABLE LIQUID, N.O.S. FLAMMABLE LIQUID, IN 1993 (METHYL ETHYL KETONE)						0100		1000000		G		F 00015	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above I.T.L. 0001, 0035 SEE SECTION 15						K. Handling Codes for Wastes Listed Above T O							
a.						b.		c.		d.			
b.						c.		d.					
15. Special Handling Instructions and Additional Information 90% METHYL ETHYL KETONE 5% THF 5% SOLIDS THF = RECOVERY 24 HOUR EMERGENCY NUMBER 908/462-5100 TRUCKS EQUIPPED WITH EBC, GUIDE NO. 27 DECAL NUMBER 6129													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name						Signature						Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature						Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature						Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name						Signature						Month Day Year	

Marisol Incorporated

125 Factory Lane
Middlesex, N.J. 08846

This notice is being sent to you in accordance with 40 CFR 268.7 to inform you that this shipment contains the solvents identified below which are restricted from landfill. You should be aware that the residues from the treatment of these materials may not be landfilled unless the concentration is below the applicable non-wastewater treatment standard(s).

Manifest contains the following EPA Hazardous Waste Numbers: (check box[es])

F001-> ☐ F002-> ☐ F003-> ☐ F004-> ☐ F005-> ☒

The following materials are contained in the waste stream:

MATERIAL	NON-WASTEWATER TREATMENT STANDARD (mg/l)
X Acetone	0.590
Benzene	3.700 (total)
n-Butyl Alcohol	5.000
Carbon Disulfide	4.810
Carbon Tetrachloride	0.960
Chlorobenzene	0.050
Cresols (and Cresylic Acid)	0.750
X Cyclohexanone	0.750
1,2 Dichlorobenzene	0.125
2-Ethoxyethanol	Incineration
Ethyl Acetate	0.750
Ethyl Benzene	0.053
Ethyl Ether	0.750
Isobutanol	5.000
X Methanol	0.750
Methylene Chloride	0.960
X Methyl Ethyl Ketone	0.750
Methyl Isobutyl Ketone	0.330
Nitrobenzene	0.125
2-Nitropropane	Incineration
Pyridine	0.330
Tetrachloroethylene	0.050
Toluene	0.330
1,1,1-Trichloroethane	0.410
1,1,2-Trichloroethane	7.600 (total)
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.960
Trichloroethylene	0.091
Trichlorofluoromethane	0.960
Xylene	0.150

LAND DISPOSAL RESTRICTION NOTICE

In accordance with 40 CFR 268.7 this notice is to inform you that these wastes are restricted from land disposal unless they are treated: 1.) to below the treatment standards specified in 268.41 or 2.) in accordance with the technology-based standards defined in 268.42, namely, FSUBS (Fuel substitution), INCIN (Incineration) and/or RORGs (Recovery of organics).

The wastes are:

<input checked="" type="checkbox"/> D001	<input type="checkbox"/> U078	<input type="checkbox"/> U191
<input type="checkbox"/> D002	<input type="checkbox"/> U079	<input type="checkbox"/> U194
<input type="checkbox"/> D018	<input type="checkbox"/> U080	<input type="checkbox"/> U196
<input type="checkbox"/> D019	<input type="checkbox"/> U083	<input type="checkbox"/> U203
<input type="checkbox"/> U001	<input type="checkbox"/> U084	<input type="checkbox"/> U208
<input type="checkbox"/> U002	<input type="checkbox"/> U085	<input type="checkbox"/> U209
<input type="checkbox"/> U003	<input type="checkbox"/> U088	<input type="checkbox"/> U210
<input type="checkbox"/> U004	<input type="checkbox"/> U092	<input type="checkbox"/> U211
<input type="checkbox"/> U008	<input type="checkbox"/> U102	<input type="checkbox"/> U213
<input type="checkbox"/> U009	<input type="checkbox"/> U107	<input type="checkbox"/> U220
<input type="checkbox"/> U012	<input type="checkbox"/> U108	<input type="checkbox"/> U225
<input type="checkbox"/> U019	<input type="checkbox"/> U110	<input type="checkbox"/> U226
<input type="checkbox"/> U028	<input type="checkbox"/> U112	<input type="checkbox"/> U227
<input type="checkbox"/> U031	<input type="checkbox"/> U113	<input type="checkbox"/> U228
<input type="checkbox"/> U037	<input type="checkbox"/> U117	<input type="checkbox"/> U239
<input type="checkbox"/> U043	<input type="checkbox"/> U118	<input type="checkbox"/> U328
<input type="checkbox"/> U044	<input type="checkbox"/> U121	<input type="checkbox"/> U353
<input type="checkbox"/> U051	<input type="checkbox"/> U122	<input type="checkbox"/> U359
<input type="checkbox"/> U052	<input type="checkbox"/> U124	<input type="checkbox"/>
<input type="checkbox"/> U053	<input type="checkbox"/> U125	<input type="checkbox"/>
<input type="checkbox"/> U054	<input type="checkbox"/> U140	<input type="checkbox"/>
<input type="checkbox"/> U055	<input type="checkbox"/> U152	<input type="checkbox"/>
<input type="checkbox"/> U056	<input type="checkbox"/> U154	<input type="checkbox"/>
<input type="checkbox"/> U057	<input type="checkbox"/> U159	<input type="checkbox"/>
<input type="checkbox"/> U069	<input type="checkbox"/> U161	<input type="checkbox"/>
<input type="checkbox"/> U070	<input type="checkbox"/> U162	<input type="checkbox"/>
<input type="checkbox"/> U071	<input type="checkbox"/> U169	<input type="checkbox"/>
<input type="checkbox"/> U072	<input type="checkbox"/> U171	<input type="checkbox"/>
<input type="checkbox"/> U076	<input type="checkbox"/> U186	<input type="checkbox"/>
<input type="checkbox"/> U077	<input type="checkbox"/> U188	<input type="checkbox"/>

GENERATOR

MANIFEST No.

SIGNATURE

DATE



**State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625**

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. NJD055082531		Manifest Document No. 107-1186		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address		HERCULES CHEMICAL CO. 111 SOUTH STREET PASSAIC, NJ 07055				A. State Manifest Document Number		NJA 1501286	
4. Generator's Phone () 201 728-8011		ATTN:				B. State Generator's ID		STATE OF NJ	
5. Transporter 1 Company Name		MARISOL INC.				6. US EPA ID Number		NJD002454544	
7. Transporter 2 Company Name						8. US EPA ID Number			
9. Designated Facility Name and Site Address		MARISOL INC. 125 FACTORY LANE MIDDLESEX, NJ 08846				10. US EPA ID Number		NJD002454544	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	
a. X RO WASTE FLAMMABLE LIQUID, NPS (METHYL ETHYL KETONE, TETRAHYDROFURAN) UN1993						No. 1 Type TI		38.14 G	
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above			
a. L, I, T. D001, D035.						a. T04			
b. SEE SECTION 15						b.			
c.						c.			
d.						d.			
15. Special Handling Instructions and Additional Information						16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.			
a. 24 HOUR EMERGENCY RESPONSE PHONE 908/469-5100.						b. T04-RECOVERY. DRIVER EQUIPPED WITH EPG BOOK.			
c. TH. ALTERNATE KETONE 90%, TETRAHYDROFURAN 10%, AND ALUMINUM 5%						d. TOTAL 14.21			
17. Transporter 1 Acknowledgement of Receipt of Materials						18. Transporter 2 Acknowledgement of Receipt of Materials			
a. Printed/Typed Name GANGADHAN VARMA						a. Signature [Signature]			
b. Printed/Typed Name Jac E Holdren						b. Signature [Signature]			
c. Printed/Typed Name						c. Signature			
19. Discrepancy Indication Space						20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.			
a. Printed/Typed Name						a. Signature			
b. Printed/Typed Name						b. Signature			



State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

Form Approved, OMB No. 2050-0039, Expires 9-30-94

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJD055082531		Manifest Document No. 61286		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address HERCULES CHEMICAL CO. 111 SOUTH STREET PASSIAC, NJ 07055		4. Generator's Phone (201) 778-8011		ATTN: SAH		A. State Manifest Document Number NJA 1501286		B. State Generator's ID SAH	
5. Transporter 1 Company Name MARISOL INC.		6. US EPA ID Number NJD002454544		C. State Trans. ID NJDEPE 5 2 0 0 9		D. Transporter's Phone 908-469-5100		E. State Trans. ID	
7. Transporter 2 Company Name		8. US EPA ID Number		F. Transporter's Phone ()		G. State Facility's ID		H. Facility's Phone ()	
9. Designated Facility Name and Site Address MARISOL INC. 125 FACTORY LANE MIDDLESEX, NJ 08846		10. US EPA ID Number NJD002454544		12. Containers		13. Total Quantity		Unit Wt/Vol	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		No.		Type		Quantity		Waste No.	
a. X RQ WASTE FLAMMABLE LIQUID, NOS (METHYL ETHYL KETONE, TETRAHYDROFURAN) UN1993		001		TT		03816		G F005	
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above L, I, T. D001, D035.		K. Handling Codes for Wastes Listed Above T04		a.		b.		c.	
a. SEE SECTION 15		c.		b.		d.		d.	
15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY RESPONSE PHONE 908/469-5100. JA. METHYL ETHYL KETONE 90%, TETRAHYDROFURAN 5%, AND PIGMENTS 5%		T04-RECOVERY. DRIVER EQUIPPED WITH ERG BOOK.							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name GANGADHAN VARMA		Signature <i>Gangadhan Varma</i>		Month Day Year 09/22/92					
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Joe E. Holdren		Signature <i>Joe E. Holdren</i>		Month Day Year 09/22/92			
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Printed/Typed Name Camille Jackson		Signature <i>Camille Jackson</i>		Month Day Year 09/22/92			

Marisol Incorporated

125 Factory Lane
Middlesex, N.J. 08846

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Manifest contains the following EPA Hazardous Waste Numbers: (check box(es))

F001-> ☐ F002-> ☐ F003-> ☐ F004-> ☐ F005-> ☒

The following materials are contained in the waste stream:

MATERIAL		NON-WASTEWATER TREATMENT STANDARD (mg/l)
	Acetone	0.590
	Benzene	3.700 (total)
	n-Butyl Alcohol	5.000
	Carbon Disulfide	4.810
	Carbon Tetrachloride	0.960
	Chlorobenzene	0.050
	Cresols (and Cresylic Acid)	0.750
	Cyclohexanone	0.750
	1,2 Dichlorobenzene	0.125
	2-Ethoxyethanol	Incineration
	Ethyl Acetate	0.750
	Ethyl Benzene	0.053
	Ethyl Ether	0.750
✓	Isobutanol	5.000
✓	Methanol	0.750
	Methylene Chloride	0.960
✓	Methyl Ethyl Ketone	0.750
	Methyl Isobutyl Ketone	0.330
	Nitrobenzene	0.125
	2-Nitropropane	Incineration
	Pyridine	0.330
	Tetrachloroethylene	0.050
	Toluene	0.330
	1,1,1-Trichloroethane	0.410
	1,1,2-Trichloroethane	7.600 (total)
	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.960
	Trichloroethylene	0.091
	Trichlorofluoromethane	0.960
	Xylene	0.150

LAND DISPOSAL RESTRICTION NOTICE

In accordance with 40 CFR 268.7 this notice is to inform you that these wastes are restricted from land disposal unless they are treated: 1.) to below the treatment standards specified in 268.41 or 2.) in accordance with the technology-based standards defined in 268.42, namely, FSUBS (Fuel substitution), INCIN (Incineration) and/or RORGs (Recovery of organics).

The wastes are:

<input checked="" type="checkbox"/> D001	<input type="checkbox"/> U078	<input type="checkbox"/> U191
<input type="checkbox"/> D002	<input type="checkbox"/> U079	<input type="checkbox"/> U194
<input type="checkbox"/> D018	<input type="checkbox"/> U080	<input type="checkbox"/> U196
<input type="checkbox"/> D019	<input type="checkbox"/> U083	<input type="checkbox"/> U203
<input type="checkbox"/> U001	<input type="checkbox"/> U084	<input type="checkbox"/> U208
<input type="checkbox"/> U002	<input type="checkbox"/> U085	<input type="checkbox"/> U209
<input type="checkbox"/> U003	<input type="checkbox"/> U088	<input type="checkbox"/> U210
<input type="checkbox"/> U004	<input type="checkbox"/> U092	<input type="checkbox"/> U211
<input type="checkbox"/> U008	<input type="checkbox"/> U102	<input type="checkbox"/> U213
<input type="checkbox"/> U009	<input type="checkbox"/> U107	<input type="checkbox"/> U220
<input type="checkbox"/> U012	<input type="checkbox"/> U108	<input type="checkbox"/> U225
<input type="checkbox"/> U019	<input type="checkbox"/> U110	<input type="checkbox"/> U226
<input type="checkbox"/> U028	<input type="checkbox"/> U112	<input type="checkbox"/> U227
<input type="checkbox"/> U031	<input type="checkbox"/> U113	<input type="checkbox"/> U228
<input type="checkbox"/> U037	<input type="checkbox"/> U117	<input type="checkbox"/> U239
<input type="checkbox"/> U043	<input type="checkbox"/> U118	<input type="checkbox"/> U328
<input type="checkbox"/> U044	<input type="checkbox"/> U121	<input type="checkbox"/> U353
<input type="checkbox"/> U051	<input type="checkbox"/> U122	<input type="checkbox"/> U359
<input type="checkbox"/> U052	<input type="checkbox"/> U124	<input checked="" type="checkbox"/> D035
<input type="checkbox"/> U053	<input type="checkbox"/> U125	<input type="checkbox"/>
<input type="checkbox"/> U054	<input type="checkbox"/> U140	<input type="checkbox"/>
<input type="checkbox"/> U055	<input type="checkbox"/> U152	<input type="checkbox"/>
<input type="checkbox"/> U056	<input type="checkbox"/> U154	<input type="checkbox"/>
<input type="checkbox"/> U057	<input type="checkbox"/> U159	<input type="checkbox"/>
<input type="checkbox"/> U069	<input type="checkbox"/> U161	<input type="checkbox"/>
<input type="checkbox"/> U070	<input type="checkbox"/> U162	<input type="checkbox"/>
<input type="checkbox"/> U071	<input type="checkbox"/> U169	<input type="checkbox"/>
<input type="checkbox"/> U072	<input type="checkbox"/> U171	<input type="checkbox"/>
<input type="checkbox"/> U076	<input type="checkbox"/> U186	<input type="checkbox"/>
<input type="checkbox"/> U077	<input type="checkbox"/> U188	<input type="checkbox"/>

GENERATOR:

Hercules Chemical

MANIFEST No.

NTA 1501286

SIGNATURE:

[Signature]

DATE:

9/22/92



ER-WM-51 REV. 1/91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law but is required by State law.
3. Generator's Name and Mailing Address HERCULES CHEMICAL CO. 11 SOUTH STREET PASSAIC NEW JERSEY 07055		4. Generator's Phone 201-778-8011	5. Transporter 1 Company Name SEN WASTE OIL INC.	6. US EPA ID Number PAD987346616	A. State Manifest Document Number PAC4925325
7. Transporter 2 Company Name		8. US EPA ID Number	9. Designated Facility Name and Site Address SEN WASTE OIL INC., PA ROUTE 6 & 209 MILFORD PA 18337	10. US EPA ID Number 0615632839	B. State Gen ID SAME
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. WASTE OIL NOS COMBUSTIBLE LIQUID NA 1270		001 TT	1515	●	722
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above Lab Pack Physical State Lab Pack Physical State		K. Handling Codes for Wastes Listed Above			
a. FUEL OIL & KEROSENE BOTTOMS		b. FILTRATION			
b.		c.			
d.		e.			
15. Special Handling Instructions and Additional Information NEW JERSEY DECAL EMERGENCY PHONE # 717-296-5395					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Robert Grossovich		Signature <i>[Signature]</i>			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ROBERT GROSSOVICH		Signature <i>[Signature]</i>			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature			
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature			

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law but is required by State law.
3. Generator's Name and Mailing Address HERCULES CHEMICAL CO. 11 SOUTH STREET PASSAIC NEW JERSEY 07055		4. Generator's Phone 201-778-8011	5. Transporter 1 Company Name S&H WASTE OIL INC.	6. US EPA ID Number PAD987346616	A. State Manifest Document Number PAC4925325
7. Designated Facility Name and Site Address S&H WASTE OIL INC., PA ROUTE 6 & 209 MILFORD PA 18337		8. US EPA ID Number 0615632839	9. Transporter 2 Company Name	10. US EPA ID Number PAD22	B. State Generator's ID Number PA-1111111111
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. WASTE OIL NOS COMBUSTIBLE LIQUID NA 1270		001	TT	150	6
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
Lab Pack Physical State FUEL OIL & KEROSENE BOTTOMS		Lab Pack Physical State T04 FILTRATION			
b.		d.			
15. Special Handling Instructions and Additional Information NEW JERSEY DECAL EMERGENCY PHONE : 717-296-5395					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name G. VARMA		Signature <i>G. Varma</i>		MONTH DAY YEAR 9 13 91	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ROBERT GROBOVICH		Signature <i>Robert Grobovich</i>		MONTH DAY YEAR 9 13 91	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		MONTH DAY YEAR	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name LINDA BOZAN		Signature <i>Linda Bozan</i>		MONTH DAY YEAR 9 13 91	

DATE: _____ TIME _____ READING BY: _____

TANK	PART	DESCRIPTION	READING IN GALS	CAPACITY
1	0007	MINERAL SPIRIT		2000
2	3093	DOUBLE AGENT		2500
3	6079	SILICA D		2600
4	3039 3079	METHYL BENZOATE [] WILAM []		6000
5	3089	PROPYLENE GLYCOL		6000
6	3089	PROPYLENE GLYCOL		5000
7	3089	PROPYLENE GLYCOL		5000
8	3089	PROPYLENE GLYCOL		5000
9	3089	PROPYLENE GLYCOL		5000
10	2006	ISOPROPANOL		1000
11	7005	CYCLOHEXANONE		1500
12	4003	MEK		5000
13A	0069	ACETONE []		5000
13M	4083	MEK []		
13T	7006	THF []		
14	7006	THF		5000
15	2008	METHANOL		5000
16	0090	FISH OIL 2-5 []		1000
17	0090	FISH OIL 2-5 []		1000
18	9037	BOWL WAX A		11000
19P	3089	PROPYLENE GLYCOL		5000
20P	3089	PROPYLENE GLYCOL		5000
21	0070	TEXPAR "60"		5000
22	7002	DARK CUTTING OIL		5000
23	7001	CLEAR CUTTING OIL		5000
24	3000	GLODDE		5000

ENTRY INTO COMPUTER:

DATE: _____
BY: _____

DATED FAXED: _____

TIME FAXED: _____

FROM: ROSE DICKER
ATTN: DAVE SIEGAL

H. Kaufman, C. Patel, R. Riordan, D. Offin, D. Siegal, S. Stelmack

Subcategory Checklist

I. Characteristic Wastes.

A) Does facility handle D001 waste ?

Yes _____ No ☒ _____
If yes, which subcategory(ies) ?

Ignitable compressed gas	Yes _____	No _____
Ignitable liquids High TOC $\geq 10\%$	Yes _____	No _____
Ignitable liquids Low TOC $< 10\%$	Yes _____	No _____
Ignitable reactives	Yes _____	No _____
Oxidizers [wastewater or non-wastewater]	Yes _____	No _____
Ignitable liquids [wastewater or non-wastewater]	Yes _____	No _____

B) Does facility handle D002 waste ?

Yes _____ No ☒ _____
If yes, which subcategory(ies) ?

Acids, pH ≤ 2 [wastewater or non-wastewater]	Yes _____	No _____
Alkaline, pH ≥ 12.5 [wastewater or non-wastewater]	Yes _____	No _____
Radioactive high level wastes	Yes _____	No _____

C) Does facility handle D003 waste ?

Yes _____ No ☒ _____
If yes, which subcategory(ies) ?

Explosives [wastewater or non-wastewater]	Yes _____	No _____
Reactive cyanides:		
* wastewater - cyanides ≥ 0.86 ppm	Yes _____	No _____
* non-wastewater - total cyanides ≥ 590 ppm and amenable cyanides ≥ 30 ppm	Yes _____	No _____
Reactive sulfides [wastewater or non-wastewater]	Yes _____	No _____
Reactive [wastewater or non-wastewater]	Yes _____	No _____

D) Does facility handle D004 waste ?

Yes _____ No ☒ _____
If yes, is it this subcategory ?

Radioactive high level wastes	Yes _____	No _____
-------------------------------	-----------	----------

E) Does facility handle D005 waste ?

Yes _____ No ☒ _____
If yes, is it this subcategory ?

Radioactive high level wastes	Yes _____	No _____
-------------------------------	-----------	----------

F) Does facility handle D006 waste ?
Yes _____ No ☒
If yes, which subcategory(ies) ?

Cadmium batteries
Radioactive high level wastes

Yes _____ No _____
Yes _____ No _____

G) Does facility handle D007 waste ?
Yes _____ No ☒
If yes, is it this subcategory ?

Radioactive high level wastes

Yes _____ No _____

H) Does facility handle D008 waste ?
Yes _____ No ☒
If yes, which subcategory(ies) ?

Lead acid batteries
Radioactive lead solids
Radioactive high level wastes

Yes _____ No _____
Yes _____ No _____
Yes _____ No _____

I) Does facility handle D009 waste ?
Yes _____ No ☒
If yes, which subcategory(ies) ?

High mercury \geq 260 ppm [organics
or non-organics]
Low mercury $<$ 260 ppm
Elemental mercury with
radioactive materials
Hydraulic oil with mercury
and radioactive materials
Radioactive high level wastes

Yes _____ No _____
Yes _____ No _____
Yes _____ No _____
Yes _____ No _____
Yes _____ No _____
Yes _____ No _____

J) Does facility handle D010 waste ?
Yes _____ No ☒
If yes, is it this subcategory ?

Radioactive high level wastes ?

Yes _____ No _____

II. Listed wastes

A) Does facility handle P001-P005 waste ?
Yes ☒ No _____
If yes, which subcategory(ies) ?

Non-pharmaceutical
Pharmaceutical [ethylene
chloride \geq 0.44 mg/l]

Yes ☒ No _____
Yes _____ No ☒

B) Does facility handle F025 waste ?
Yes _____ No ☒ _____
If yes, which subcategory(ies) ?

Filters, filter aids, and/or
desiccants [wastewater or
non-wastewater]

Yes _____ No _____
Yes _____ No _____

Light ends

C) Does facility handle K061 waste ?
Yes _____ No ☒ _____
If yes, which subcategory(ies) ?

High zinc $\geq 15\%$
Low zinc $< 15\%$

Yes _____ No _____
Yes _____ No _____

D) Does facility handle K069 waste ?
Yes _____ No ☒ _____
If yes, which subcategory(ies) ?

Calcium sulfate
Non-calcium sulfate

Yes _____ No _____
Yes _____ No _____

E) Does facility handle K106 waste ?
Yes _____ No ☒ _____
If yes, which subcategory(ies) ?

High mercury ≥ 260 ppm
Low mercury < 260 ppm

Yes _____ No _____
Yes _____ No _____

F) Does facility handle P065 waste ?
Yes _____ No ☒ _____
If yes, which subcategory(ies) ?

High mercury ≥ 260 ppm
Low mercury < 260 ppm

Yes _____ No _____
Yes _____ No _____

G) Does facility handle P092 waste ?
Yes _____ No ☒ _____
If yes, which subcategory(ies) ?

High mercury ≥ 260 ppm
Low mercury < 260 ppm

Yes _____ No _____
Yes _____ No _____

H) Does facility handle U151 waste ?
Yes _____ No ☒ _____
If yes, which subcategory(ies) ?

High mercury ≥ 260 ppm
Low mercury < 260 ppm
Radioactive elemental mercury

Yes _____ No _____
Yes _____ No _____
Yes _____ No _____

California List Applicability

I. California List Waste Determination.

- A) Using either knowledge of the waste or determination by the paint filter liquids test (PFLT), has the generator determined whether its waste is a liquid ?

Yes ✓ No

B) Current Applicability.

- 1) Do liquid hazardous wastes contain over 50 ppm PCBs ?
Yes No ✓
- 2) Do hazardous wastes contain Halogenated Organic Compounds (HOCs) where it is identified as hazardous by a characteristic property that does not involve HOCs ?
Yes No ✓
- 3) Do liquid hazardous wastes contain a total concentration of more than 134 mg/l of nickel and/or 130 mg/l of thallium ?
Yes No ✓

See LDF Checklist pg. 8 if yes is answered to any of the above questions, the waste is currently subject to California List Prohibitions.

C) Historical Violations.

California List Prohibitions became effective on July 8, 1987 for wastes falling under any of the following descriptions:

- 1) Does the liquid hazardous waste, including free liquids associated with solid or sludge, contain free cyanide at concentrations ≥ 1000 mg/l ?
Yes No ✓
- 2) Does liquid hazardous waste, including free liquids associated with any solid or sludge, contain the following metals (or elements) or compounds of these metals (or elements) at concentrations greater than or equal to these prohibition levels ?
Yes No ✓

Arsenic	500 mg/l	Yes <u> </u>	No <u> </u>
Cadmium	100 mg/l	Yes <u> </u>	No <u> </u>
Chromium VI	500 mg/l	Yes <u> </u>	No <u> </u>
Lead	500 mg/l	Yes <u> </u>	No <u> </u>
Mercury	20 mg/l	Yes <u> </u>	No <u> </u>
Nickel	134 mg/l	Yes <u> </u>	No <u> </u>
Selenium	100 mg/l	Yes <u> </u>	No <u> </u>
Thallium	130 mg/l	Yes <u> </u>	No <u> </u>

- 3) Does the liquid (aqueous) hazardous waste have a
pH ≤ 2 ?
Yes _____ No ☒ _____
- 4) Do HOC wastewaters, defined as HOC-waste mixtures that
are primarily water, contain ≥ 1000 mg/l but
< 10,000 mg/l ?
Yes _____ No _____ N/A
- 5) Do other liquid hazardous wastes contain HOCs in total
concentrations ≥ 1000 mg/l ?
Yes _____ No _____ N/A
- 6) Do non-liquid hazardous wastes contain HOCs in total
concentrations > 1000 mg/kg ?
Yes _____ No _____ N/A
- 7) Do liquid hazardous wastes contain polychlorinated
biphenyls (PCBs) at concentrations ≥ 50 ppm but
< 500 ppm ?
Yes _____ No ☒ _____
- 8) Does the liquid hazardous waste contain PCBs
 ≥ 500 ppm ?
Yes _____ No ☒ _____

RCRA LAND DISPOSAL RESTRICTIONS INSPECTION

I. General Information

Facility Name: Hercules Chemical Co.U.S. EPA ID#: NJD 055 082 531 SIC Code: _____Street: 111 South St.City: Passaic State: NJ Zip: 07055Telephone #: (201) 778-8011 Telefax #: (201) 778-9088Inspection Date: 4-22-93 Time: 10:15

	<u>Name</u>	<u>Agency/Title</u>	<u>Telephone #</u>
Inspectors:	<u>Farouk Afrasiabi</u>	<u>NJ DEPE/Haz. Waste Supr</u>	<u>(201) 299 7592</u>
Facility Reps*:	<u>Stan Stelmack</u>	<u>Plant Manager</u>	<u>778-8011</u>

* - Primary Environmental Contacts

See Appendix B to determine which of the following LDR waste categories the facility manages:

	<u>Generate</u>	<u>Transport</u>	<u>Treat</u>	<u>Store</u>	<u>Dispose</u>
F001-F005	<u>✓</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>✓</u>
F020-F023 & F026-F028	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
California List	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
First Third	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
Second Third	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
Third Third	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>

FACILITY DESCRIPTION AND OPERATIONS

Hercules Chemical Company manufactures materials which are used in plumbing and building construction. The company, to a lesser extent, is also involved in the repackaging of some products manufactured by other companies. Hercules sells its products to the plumbing wholesalers.

The company's products include putty, caulking, refractory cement, waxed gaskets, paste solder and PVC cement. Some of the ingredients used in the production of the products are calcium carbonate, china clay, bentonite, amorphous silica and petroleum oils. The production processes at this site involve the blending/compounding of the necessary ingredients.

The repackaged materials include teflon tapes (thread sealant), brass bolts for toilets, cutting oils and sulfuric acid. The sulfuric acid is sold to the professional plumbers, who use it as an emergency drain opener.

The wax gaskets are manufactured every day. However, other products are manufactured as the orders come in.

PVC Cement Production

PVC cements are manufactured in 10 different colors and viscosities. To manufacture PVC cements, solvents, such as MEK and THF, resin and a thickening agent are blended in a 400-gallon tank. The product is then drummed and transferred to the filling station, where cans are filled.

Rebasol Waste

After each (PVC cement) run, they rinse out the mixing tank and the equipment with some solvent, generating solvent waste (Rebasol Waste). This waste, however, is saved and reworked into another batch of the same color PVC cement at a later date. Some Rebasol waste, as explained by the company official, is ultimately manifested off site as waste type F005.

QC Laboratory

Hercules Chemical has a QC lab at the site. This lab, however, does not generate any hazardous waste.

Hazardous Waste Storage Area

The hazardous waste is stored along one wall of the "flammable materials storage room". At the time of this inspection, the stored hazardous waste consisted of seventy (70) fifty-five (55) gallon drums of solvent waste, which were stacked five pallets high. Many drums were not marked with the accumulation start

date and none was marked/labeled "Hazardous Waste". The company, as a result, was cited for these deficiencies and they were made aware of the hazardous waste storage requirements.

Hazardous Waste Annual Reports and Manifests

The hazardous waste annual reports and manifests were not available for review during this inspection. It was, however, explained that the official who is in charge of their environmental affairs was on vacation and no one else knew where he kept these documents. The company was cited for these deficiencies.

HAZARDOUS WASTE GENERATION

Cleaning out the PVC and other filling machines with solvents generates waste type F005.

The excess Rebasol waste is manifested as waste type F005.

RCRA LAND DISPOSAL RESTRICTIONS INSPECTION

I. Waste Code Determination

1. Have all wastes been correctly identified for purposes of compliance with 40 CFR Part 268?

Yes ☒ No ☐

If no, list below:

Assigned Classification

Correct Classification

Comments: _____

2. Have both the listed and characteristic waste code been assigned, where a listed waste exhibits a characteristic? [40 CFR 268.9(a)]

Yes ☒ No ☐ NA ☐

Comments: _____

3. Has multi-source leachate been assigned the F039 waste code [40 CFR 261.31]?

Yes ☐ No ☐ NA ☒

If yes, was single-source leachate combined to form multi-source leachate [55 FR22623]?

Yes ☐ No ☐

Comments: _____

II. GENERATOR REQUIREMENTS

A. Treatability Group/Treatment Standard Identification

1. F001-F005 Spent Solvent Wastes: Does the generator correctly determine the appropriate treatability group/treatment standard (* wastewater vs. non-wastewater) for each F-solvent?

Yes ☒ No ☐ NA ☐

If No, list below:

Waste Code

Assigned Classification

Correct Classification

Comments: _____

- * < 1% by weight total organic carbon (TOC), < 1% by weight total F001-F005 solvent constituents listed in 40 C.F.R. Table CCWE [40 C.F.R. 268.2(f)(1)]

2. F020-F023 and F026-F028 Dioxin Wastes: Does the generator correctly determine the appropriate treatability group/treatment standard (* wastewater vs. non-wastewater) for each dioxin waste?

Yes _____ No _____ NA ☒

If no, list below:

<u>Waste Code</u>	<u>Assigned Classification</u>	<u>Correct Classification</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Comments: _____

- * < 1% TOC by weight and < 1% total suspended solids (TSS) by weight [40 C.F.R. 268.2(f)]

3. First, Second, and Third Third Wastes:

- a. Does the generator correctly determine the appropriate treatability group/treatment standard for each waste (i.e. subcategory and * wastewater vs. non-wastewater)?

Yes _____ No _____ NA ☒

If no, list below:

<u>Waste Code</u>	<u>Assigned Subcategory</u>	<u>Correct Subcategory</u>	<u>Assigned wastewater vs. nonwastewater designation</u>	<u>Correct wastewater vs. nonwastewater designation</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

- * < 1% TOC by weight and < 1% TSS with the following exceptions: K011, K013, and K014 wastewaters - less than 5% by weight TOC and less than 1% by weight TSS; K103 and K104 wastewaters - less than 4% by weight TOC and less than 1% by weight TSS. [40 C.F.R. 268.2(f)(2) and (3)]

Comments: _____

- b. Do the assigned treatment standards for listed wastes cover constituents that may cause the waste to exhibit any characteristics? [40 CFR 268.9(b)]

Yes _____ No _____ NA ☒

- c. Does the generator specify alternative treatment standards for lab packs?

Yes _____ No _____ NA ☒

If yes, do lab packs only contain the following wastes* ? [40 CFR 268.42(c)(2)]

_____ Organometallics: 40 Part 268, Appendix IV constituents

_____ Organics: 40 Part 268, Appendix V constituents

* Unregulated wastes and hazardous wastes which meet treatment standards may be commingled in the appropriate Appendix IV and V lab pack. [55 FR 22629]

d. Does the generator specify alternative treatment standards for F039 multi-source leachate?

Yes _____ No _____ NA ☒

4. California List Wastes: Has the generator correctly identified the treatability group and treatment standard/prohibition level for the following wastes [55 FR 22675] ?

a. Liquid hazardous wastes containing PCB's \geq 50 ppm

Yes _____ No _____ NA ☒

If yes, check the appropriate treatability group:

_____ 50 to 500 ppm PCB's

_____ \geq 500 ppm PCB's

b. Listed or characteristic wastes containing \geq 1,000 mg/l (liquids) or mg/kg (non-liquids) HOC's, which are not listed or characterized by the HOC content.

Yes _____ No _____ NA ☒

If yes, check the appropriate treatability group:

_____ Dilute HOC wastewater (1,000 mg/l-10,000mg/l HOCs)

_____ All other HOC's greater than or equal to the prohibition level of 1,000 mg/l (liquids) or mg/kg (non liquids)

c. Liquid hazardous wastes that exhibit a characteristic and also contain \geq 134 mg/l nickel and/or \geq 130 mg/l thallium.

Yes _____ No _____ NA ☒

5. Treatment standards expressed as required technologies: Has the generator specified an alternative method to that required in 40 CFR 268.42?

Yes _____ No ☒ NA _____

If yes, list the waste code, the technology specified in 40 CFR 268.42, the alternative method and documentation of approval [40 CFR 268.42(b)].

<u>Waste Code</u>	<u>Required Technology</u>	<u>Alternative Method</u>	<u>Approval</u>
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

6. Does the generator mix restricted wastes with different treatment standards for a constituent of concern?

Yes _____ No ☒

If yes, did the generator select the most stringent treatment standards?
[40 CFR 268.41(b) and 268.43(b)]

Yes _____ No _____

Comments: _____

B. Waste Analysis

1. Does the generator determine whether restricted wastes exceed treatment standards/prohibition levels at the point of generation? [268.7(a)]

Yes ☒ No _____

If no, does the generator ship all restricted wastes as not meeting treatment standards?

Yes _____ No _____

Comments: _____

2. Which of the following analytical methods does the generator employ?

- a. Knowledge of waste:

Yes ☒ No _____

If yes, list the wastes for which applied knowledge was used and describe the basis of determination. Attach documentation. [40 CFR 268.7(a)(5)]

F005 - MSDS

- b. TCLP: Are wastes with treatment standards specified in 40 CFR 268.41 analyzed using TCLP? (BDAT=stabilization/immobilization technology) Examples: D004-D011, and F001-F009, etc.

Yes _____ No ☒ NA _____

If yes, list the wastes for which TCLP was used and provide the date of last test, the frequency of testing, and note any problems. Attach sample of typical test results [40 CFR 268.7(a)(5)].

- c. Total constituent analysis: Are wastes with treatment standards specified in 268.43 analyzed using total constituent analysis? (BDAT=destruction/removal technology) Examples: D001-D003, majority of P and U wastes, etc.

Yes _____ No ☒ NA _____

If yes, list the wastes for which total constituent analysis was used and provide the date of last test, the frequency of testing, and note any problems. Attach sample of typical test results [40 CFR 268.7(a)(5)].

- d. PFLT* : Was PFLT used to determine if California List constituents were contained in *liquid* hazardous waste?

Yes _____ No ☒ NA _____

* PFLT = Paint Filter Liquids Test [Test Method 9095, EPA Publication No. SW-846]

If yes, list the wastes for which PFLT was used and provide the date of last test, the frequency of testing, and note any problems. Attach sample of typical test results. [40 C.F.R. 268.7(a)(5)]

3. Does the generator treat restricted wastes in < 90 day tanks or containers regulated under 40 CFR 262.34? (Examples: elementary neutralization, etc)

Yes _____ No ☒ (If No, go to 4)

Does the generator treat the wastes to meet appropriate treatment standards/prohibition levels?

Yes _____ No _____

If yes, has the generator prepared a waste analysis plan detailing the frequency of testing to be conducted? [40 CFR 268.7(a)(4)]

Yes _____ No _____ (If No, go to 4)

Does the plan fulfill the following? [40 CFR 268.7(a)(4)(i)]

_____ Based on a detailed chemical and physical analysis of a representative sample.

_____ Contains information necessary to treat the wastes in accordance with 40 CFR Part 268 requirements.

Has the plan been filed with the Regional Administrator (Receipt required for verification)? [40 CFR 268.7(a)(4)(ii)]

Yes _____ No _____

Comments: _____

4. Dilution Prohibition [40 CFR 268.3]:

- a. Does the generator mix prohibited* wastes with different treatment standards?

Yes _____ No ☒ (If No, go to b)

List the wastes: _____

Are the wastes amenable to the same type of treatment? [55 FR 22666]

Yes _____ No _____

* Prohibited wastes must be treated to established treatment standard prior to land disposal.

Comments: _____

- b. Does the generator dilute prohibited wastes to meet treatment standard criteria, or render them non-hazardous? [55 FR 22665-22666]

Yes _____ No ☒ (If No, go to c)

Check appropriate category:

_____ Dilutes to meet treatment standards

_____ Dilutes to render waste non-hazardous

Do the wastes fall into the following categories? [40 CFR 268.3(b)]

_____ Managed in treatment systems regulated under the Clean Water Act

_____ Non-Toxic* characteristic wastes

_____ Treatment standard specified in 40 CFR 268.41 or 268.43

* Non-toxic = D001 (except high TOC nonwastewaters), D002, and D003 (except cyanides and sulfides). [55 FR 22666]

If the wastes do not fall into the above categories, briefly describe the conditions under which they were diluted:

- c. Based on an assessment of points a. and b. and any other relevant circumstances, does the generator dilute prohibited wastes as a substitute for adequate treatment? [40 CFR 268.3(a)]

Yes _____ No ☒

Comments: _____

5. F039 Multi-source leachate: Has the generator run an initial analysis for all constituents of concern in 40 CFR 268.41 and 268.43? [55 FR 22620]

Yes _____ No _____ NA ☒

C. Management

1. On-Site Management

- a. Are restricted wastes treated (other than in a RCRA exempt unit), stored for greater than 90 days, or disposed on site?

Yes _____ No ☒ (If yes, complete TSD Checklist)

Comments: _____

- b. If the generator treats characteristic wastes in systems regulated under the Clean Water Act, have the following been documented: the determination of restriction, how restricted wastes are managed, and why wastes discharged pursuant to a NJPDES permit are not prohibited (if applicable)? [55FR 22662]

Yes _____ No _____ NA ☒

- c. If the generator treats characteristic wastes in RCRA exempt units to render them non-hazardous, are the wastes managed as restricted until 40 CFR 268 treatment standards are met*? [40 CFR 268.9(d)]

Yes _____ No _____ NA ☒

* This applies to both concentration based treatment standards specified in 40 CFR 268.41 and 268.43, and to some 40 C.F.R. 268.42 required methods which result in treatment below the characteristic level. See Appendix D.

2. Off Site Management: Waste Exceeds Treatment Standards

- a. Does the generator ship any waste that exceeds treatment standards/prohibition levels to an off-site treatment or storage facility?

Yes ☒ No _____ (If No, go to 3)

Does the generator provide a notification to the treatment or storage facility? [40 CFR 268.7(a)(1)]

Yes ☒ No _____ (If No, go to 3)

If the generator specifies alternative treatment standards for lab packs, is the certification required in 40 CFR 268.7(a)(7) or (8) included with the notification?

Yes _____ No _____ NA ☒

- b. Is a notification sent with each waste shipment?

Yes ☒ No _____

If no, is the waste subject to a tolling agreement pursuant to 262.20(e) [SQG only]* ?

Yes _____ No _____ (If No, go to 3)

* Small quantity generator = generator of greater than or equal to 100 kg/month but less than 1,000 kg/month hazardous waste, or less than 1 kg/month of acutely hazardous waste. (NJ criteria = <100 kg/month of hazardous waste or <1 kg/month of acutely hazardous waste)

List waste codes and subsequent handler with whom a contractual tolling agreement is held.

Waste Code	Subsequent Handler	Waste Code	Subsequent Handler
_____	_____	_____	_____

Did the SQG provide a notification to the receiving facility with the first waste shipment subject to the tolling agreement [40 CFR 268.7(a)(9)]?

Yes _____ No _____

3. Off-Site Management: Waste Meets Treatment Standards

- a. Does the generator ship waste that meets treatment standards/prohibition levels to an off-site disposal facility?

Yes _____ No ☒ (If No, go to 4)

Identify waste code(s) and off-site disposal facilities:

<u>Waste Code</u>	<u>Receiving Facility</u>
_____	_____
_____	_____

Note: Include documentation supporting the generator's determination that the waste meets applicable treatment standards/prohibition levels.

Does the generator provide a notification and certification to the disposal facility? [40 CFR 268.7(a)(2)(i) and 268.7(a)(2)(ii)]

Yes _____ No _____ (If No, go to D)

- b. Are a notification and certification sent with each waste shipment?

Yes _____ No _____

If no, is the waste subject to a tolling agreement pursuant to 262.20(e)? (SQG only)

Yes _____ No _____ (If No, go to c)

List waste codes and subsequent handler with whom a contractual tolling agreement is held.

<u>Waste Code</u>	<u>Subsequent Handler</u>	<u>Waste Code</u>	<u>Subsequent Handler</u>
_____	_____	_____	_____

Did the SQG provide a notification and certification to the receiving facility with the first waste shipment subject to the tolling agreement? [40 CFR 268.7(a)(9)]

Yes _____ No _____

- c. Are characteristic wastes which have been rendered non-hazardous (in a RCRA exempt unit) shipped to a Subtitle D facility?

Yes _____ No _____ NA _____ (If No or NA, go to 4)

Complete the following table:

<u>Waste Code</u>	<u>Receiving Facility</u>	<u>Waste Code</u>	<u>Receiving Facility</u>
_____	_____	_____	_____

Are a notification and certification for each shipment sent to the Regional Administrator or authorized State? [40 CFR 268.9(d)(1) and 268.7(b)(5)]

Yes _____ No _____

4. Records Retention

Does the generator retain on site copies of all notifications, certifications, and other relevant documents for a period of 5 years? [40 CFR 268.7(a)(6)]

Yes ☒ No _____

Are copies of relevant tolling agreements, along with the LDR notification and/or certification, kept on site for at least 3 years after expiration or termination of the agreement? [40 CFR 268.9]

Yes _____ No _____ NA ☒

Do LDR documents reflect proper management of wastes previously covered under case by case extensions?

Yes _____ No _____ NA ☒

Comments: _____

D. Treatment Using RCRA 40 CFR Parts 264 and 265 Exempt Units or Processes

1. Are restricted wastes treated in RCRA exempt units (distillation units, wastewater treatment tanks, elementary neutralization, etc.)?

Yes _____ No ☒ (If No, do not complete this section)

List types of waste treatment units and processes:

<u>Waste Code</u>	<u>Type of Treatment</u>	<u>Treatment units and processes</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

2. Are treatment residuals generated from these units?

Yes _____ No _____

Comments: _____

3. Are residuals further treated, stored for greater than 90 days, or disposed on site?

Yes _____ No _____ NA _____

(If yes, the TSD checklist must be completed)

—

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Waste Minimization Checklist

GENERATOR CHECKLIST

=====

MANIFEST

GENERAL 262.20

YES NO N/A

Does the generator, offer for transportation, hazardous waste for off-site treatment/disposal?
If yes, proceed to next question. If no, proceed to 264.75/265.75.

☒ ☐ ☐

262.23

Does the generator sign the manifest certification which states;

☒ ☐ ☐

" If I am a large quantity generator, I have a program in place to reduce the volume and toxicity of the waste generated to the degree I have determined to be economically practical and that I have selected the practical method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the enviroment; OR, if I am a small quantity generator, I have made a good effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford."

Does the generator have a written Waste Minimization Plan?

☐ ☒ ☐

If no, is the generator able to describe his plan orally.

☒ ☐ ☐

COMMENTS:

(Explain in this space the areas that visually show evidence that a program is in place and is being implemented)

They rework Rebasol waste into other batches

ANNUAL/BIENNIAL REPORT

262.41

YES NO N/A

- Has the generator submitted Annual (AR) or Biennial reports (BER) to the appropriate regulatory agency?

✓ — —

The inspector should review these reports prior to the inspection (see above), and should try to verify the information in the report during his/her site inspection. The following questions should be addressed during the inspection.

262.56(a)(5)

Does the BER or AR include the efforts undertaken during the year to reduce the volume of toxicity of the wastes generated?

✓ — —

Does the BER or AR include a description of the changes in volume and toxicity of the wastes actually achieved during the year in comparison to previous years?

✓ — —

Do these efforts match the information contained in the generator's written or verbally described waste minimization program.

✓ — —

Is the BER or AR certification signed by the generator or authorized representatives?

✓ — —

TOXICITY CHARACTERISTIC ("TC") INSPECTION CHECKLIST

1. Has the handler tested all its solid waste streams using the TCLP?

Yes _____ No ✓

- a) If no, are there any waste streams which should be tested.

Explain NO. They have properly identified their
haz. waste

- b) If the handler is a TSD, has the owner/operator revised its waste analysis plan to incorporate the new TCLP requirements?

Yes _____ No _____

N/A

2. Does the handler generate waste exceeding the regulatory level for any constituent listed in Table I-TC?

Yes _____ No ✓

If no this checklist need not be completed.

3. Was the handlers waste(s) considered a federal hazardous waste prior to the promulgation of the new TCLP requirement?

Yes ✓ No _____

If No, proceed to question number 4. If yes, answer questions 3a), 3b) and 3c) and then stop.

- a) Have both the listed and characteristic waste code been assigned, were a listed waste exhibits a characteristic for which the waste is not listed?

Yes _____ No _____

Comments _____

- b) Does the handler determine and list on its manifests all of it's waste(s) TCLP characteristics?

Yes _____ No _____

Comments _____

- c) If the generator is also a TSD, has the owner or operator submitted a revised Part A permit application or if permitted a permit modification request indicating the new hazardous constituent(s) found in their waste(s)?

Yes _____ No _____

4. Is the waste managed as a hazardous waste?

Yes _____ No _____

If No, this is a high priority violation. Be sure to obtain a detailed description of the wastes final disposition.

Comments _____

- a) If the generator is also a TSD, has the owner or operator submitted a revised Part A permit application or if permitted a permit modification request for the previously unregulated waste or hazardous waste unit which has become subject to hazardous waste regulation as a result of the new TC Rule?

Yes _____ No _____

NOTE: The inspector should bear in mind that any waste stream, unit or handler newly regulated on account of the change in the analytical procedures associated with the Toxicity Characteristic may now be subject to all the applicable requirements of N.J.A.C. 7:26-1, 7 - 12 and 40 C.F.R. Parts 260 - 270. All applicable current checklists should be used to determine compliance status.

EFFECTIVE DATES FOR COMPLIANCE WITH TC REQUIREMENTS

Generators of $\geq 1,000$ kg/mo. of hazardous waste	9/25/90
Generators of $< 1,000$ kg/mo. of hazardous waste	3/29/91

ADDITIONAL COMMENTS: _____

LIST OF NEW JERSEY C-CODE WASTE WHICH POTENTIALLY
EXHIBIT THE NEW TOXICITY CHARACTERISTIC

ORGANICS

C133 Benzene	C292 Hexachloroethane
C162 Chlordane	C319 Methyl Ethyl Ketone
C170 Chlorobenzene	C340 Nitrobenzene
C176 Chloroform	C375 Pentachlorophenol
C468 Cresol	C396 Pyridine
C216 1,2-Dichloroethane	C415 Tetrachloroethylene
C219 1,1-Dichloroethylene	C442 Trichloroethylene
C260 2,4-Dinitrotoluene	C444 2,4,5-Trichlorophenol
C286 Heptachlor	C445 2,4,6-Trichlorophenol
C288 Hexachlorobenzene	C459 Vinyl Chloride

note: Some X700 series waste which formerly were not regulated under the federal program may now be subject to RCRA as a characteristic hazardous waste (i.e. D018 - Benzene.)

METALS AND PESTICIDES

Arsenic: C123, C124, C125, C126.

Barium: C129, C130.

Cadmium: C157.

Chromium: C184.

Lead: C306, C307, C308, C309.

Mercury: C313, C479, C380.

Selenium: C400, C401, C402.

Silver: C404, C405.

Endrin: C270.

Toxaphene: C437.

2,4-D: C223.

Silvex: C447.

note: Since the Toxicity Characteristic Leaching Procedure ("TCLP") is a more stringent analytical method than the Extraction Procedure ("EP"), wastes which contain toxic metals and pesticides which were not subject to RCRA regulation as hazardous waste when tested via the EP (i.e. the above listed C-code wastes) could now be a hazardous waste under the TCLP.

TABLE 1-TC

TC Constituents and Their Regulatory Levels

<i>Newly Added Constituents</i>			
Constituent	Regulatory Level (mg/l)	Constituent	Regulatory Level (mg/l)
D018 Benzene*	0.5	D032 Hexachlorobenzene	0.13
D019 Carbon Tetrachloride*	0.5	D033 Hexachloro-1, 3-Butadiene	0.5
D020 Chlordane	0.03	D034 Hexachloroethane	3.0
D021 Chlorobenzene	100.0	D035 Methyl Ethyl Ketone	200.0
D022 Chloroform	6.0	D036 Nitrobenzene	2.0
D023 O-Cresol	200.0	D037 Pentachlorophenol	100.0**
D024 M-Cresol	200.0	D038 Pyridine	5.0
D025 P-Cresol	200.0	D039 Tetrachloroethylene	0.7
D027 1, 4-Dichlorobenzene*	7.5	D040 Trichloroethylene*	0.5
D028 1, 2-Dichloroethane*	0.5	D041 2, 4, 5-Trichlorophenol	400.0
D029 1, 1-Dichloroethylene*	0.7	D042 2, 4, 6-Trichlorophenol	2.0
D030 2, 4-Dinitrotoluene	0.13	D043 Vinyl Chloride*	0.2
D031 Heptachlor	0.008	D026 Cresol	200.0

EP Constituents (Being Retained at Current Levels)

Constituent	Regulatory Level (mg/l)	Constituent	Regulatory Level (mg/l)
D004 Arsenic*	5.0	D011 Silver*	5.0
D005 Barium*	100.0	D012 Endrin*	0.02
D006 Cadmium*	1.0	D013 Lindane*	0.4
D007 Chromium*	5.0	D014 Methoxychlor*	10.0
D008 Lead*	5.0	D015 Toxaphene*	0.5
D009 Mercury*	0.2	D016 2, 4-D*	10.0
D010 Selenium*	1.0	D017 2, 4, 5-TP (Silvex)*	1.0

* Regulated based on an MCL

**The Agency will propose a new (lower) regulatory level for this constituent, based on the latest toxicity information.

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

APPENDIX A-1

SOLVENT IDENTIFICATION CHECKLIST

1. Does the handler generate any of the following F001 constituents (i.e., spent halogenated solvents used in degreasing) as a result of being used in the process either in pure form or commercial grade?

tetrachloroethylene	Yes	No
trichloroethylene	Yes	No
methylene chloride	Yes	No
1,1,1-trichloroethane	Yes	No
carbon tetrachloride	Yes	No
chlorinated fluorocarbons	Yes	No

2. Does the handler generate any of the following F002 constituents (i.e., spent halogenated solvents) as a result of being used in the process either in pure form or commercial grade?

tetrachloroethylene	Yes	No
trichloroethylene	Yes	No
methylene chloride	Yes	No
1,1,1-trichloroethane	Yes	No
chlorobenzene	Yes	No
trichlorofluoromethane	Yes	No
1,1,2-trichloro-1,2,2-trifluoroethane	Yes	No
ortho-dichlorobenzene	Yes	No
1,1,2-trichloroethane	Yes	No

3. Does the handler generate any of the following F003 constituents (i.e., spent nonhalogenated solvents) as a result of being used in the process either in pure form or commercial grade?

xylene	Yes	No
acetone	Yes	No
ethyl acetate	Yes	No
ethyl ether	Yes	No
methyl isobutyl ketone	Yes	No
n-butyl alcohol	Yes	No
cyclohexane	Yes	No
methanol	Yes	No

If the F003 wastestream has been mixed with a solid waste, does the resultant mixture exhibit the ignitability characteristic? Yes No

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

4. Does the handler generate any of the following P004 constituents (i.e., spent nonhalogenated solvents) as a result of being used in the process either in pure form or commercial grade?

cresols and cresylic acid
nitrobenzene

____ Yes ____ No
____ Yes ____ No

5. Does the handler generate any of the following P005 constituents (i.e., spent nonhalogenated solvents) as a result of being used in the process either in pure form or commercial grade?

toluene
methyl ethyl ketone
carbon disulfide
isobutanol
pyridine

____ Yes ____ No
____ Yes ____ No
____ Yes ____ No
____ Yes ____ No
____ Yes ____ No

6. Are any of the constituents listed in the questions 1-5 used for their "solvent" properties -- that is to solubilize (dissolve) or mobilize other constituents? The following questions will be helpful in confirming this determination.

(a) Chemical carriers?

____ Yes ____ No

If the answer is yes, list the constituents.

(b) Degreasing/cleaning?

____ Yes ____ No

If the answer is yes, list the constituents.

(c) Diluents?

____ Yes ____ No

If the answer is yes, list the constituents.

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

(d) Extractants? ☐ Yes ☐ No

If the answer is yes, list the constituents.

(e) Fabric scouring? ☐ Yes ☐ No

If the answer is yes, list the constituents.

(f) Reaction and synthesis media? ☐ Yes ☐ No

If the answer is yes, list the constituents.

If questions 1-6 led the inspector to believe that the waste may be an F-solvent, answer question 7.

7. Are any of the above constituents spent solvents? A solvent is considered "spent" when it has been used and is no longer used without being regenerated, reclaimed, or otherwise reprocessed. ☐ Yes ☐ No
8. If the waste is a mixture of constituents as determined in questions 1-6, answer this to determine whether it is a "solvent mixture" covered by the listings.

If the wastestream is mixed and contains more than one of the F001-F005 constituents listed in questions 1-5 (by volume), give the concentration before use of all the constituents in the solvent mixture/blend. For example:

5X methylene chloride
2X trichloroethylene
25X 1,1,1-trichloroethane
68X mineral spirits
100X

If the wastestream is a mixture containing a total of 10X or more by volume) of one or more of the F001, F002, F004, or F005 listed constituents before use, it is a listed waste.

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

Comments

With respect to the P003 solvent wastes, if, before use, the wastestream is mixed and contains only P003 constituents, it is a listed waste. For example:

33X acetone
16X methanol
51X ethyl ether
100X

If in light of the above, the handler appears to be generating P001-P005 hazardous wastes, refer this facility to the enforcement official for follow-up actions verifying the use of solvents at the facility.

METHYL ETHYL KETONE

MSDS No.
HCR000126

Rev. Date
11/03/90



ARCO CHEMICAL COMPANY
3801 WEST CHESTER PIKE
NEWTOWN SQUARE, PA. 19073

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers, and users of this product.
This product is covered by the OSHA Hazard Communication Rule and this document has been prepared in accord with the MSDS requirements of the rule.

I. General			SEE SUPPLEMENT BEGINNING ON PAGE 6
Trade Name	METHYL ETHYL KETONE	Telephone Numbers EMERGENCY 800/424-9300 CHEMTREC 215/353-8300 ARCO CHEM CUSTOMER SERVICE 800/321-7000 INFO ONLY	
Other Names	ETHYL METHYL KETONE, MEK 2-BUTANONE		
Chemical Family	ALIPHATIC KETONE	DOT Hazardous Materials Proper Shipping Name METHYL ETHYL KETONE (MEK)	
Generic Name	N/P	DOT Hazard Class FLAMMABLE LIQUID	
CAS No.	SEE SECTION IX	Company ID No.	E000012600
		UN/NA ID No.	UN 1193
II. DANGER Summary of Hazards			
PHYSICAL HAZARDS:		EXTREMELY FLAMMABLE LIQUID	
ACUTE HEALTH EFFECTS: (SHORT-TERM)		MODERATE INHALATION HAZARD MODERATE EYE IRRITANT MODERATE SKIN ABSORPTION HAZARD MODERATE SKIN IRRITANT MODERATE INGESTION HAZARD	
CHRONIC HEALTH EFFECTS: (LONG-TERM)		REPEATED BREATHING OR SKIN CONTACT OF METHYL ETHYL KETONE MAY INCREASE THE POTENCY OF NEUROTOXINS SUCH AS HEXANE OR METHYL N-BUTYL KETONE, IF EXPOSURES OCCUR AT THE SAME TIME. MEK HAS NOT BEEN SHOWN TO BE A CHRONIC NEUROTOXIN BY ITSELF.	
III. Fire and Explosion			
Flash Point (Method) AP 20° F (TCC)		Autoignition Temperature (Method) 960° F	
Flammable Limits (% Vol. in Air) At Normal Atmospheric Temperature and Pressure Lower AP 2 Upper AP 12			
Fire and Explosion Hazards	RELEASES FLAMMABLE VAPORS BELOW NORMAL AMBIENT TEMPERATURES. WHEN MIXED WITH AIR AND EXPOSED TO IGNITION SOURCE, VAPORS CAN BURN IN OPEN OR EXPLODE IF CONFINED. FLAMMABLE VAPORS MAY BE HEAVIER THAN AIR. MAY TRAVEL LONG DISTANCES ALONG GROUND BEFORE IGNITING/FLASHING BACK TO VAPOR SOURCE.		
Extinguishing Media	DRY CHEMICAL CO2 ALCOHOL TYPE FOAM USE WATER SPRAY/WATER FOG FOR COOLING		
Special Firefighting Procedures	DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTION. SEE "DECOMPOSITION PRODUCTS POSSIBLE." FIGHT FIRE FROM SAFE DISTANCE/PROTECTED LOCATION. HEAT MAY BUILD PRESSURE/RUPTURE CLOSED CONTAINERS, SPREADING FIRE, INCREASING RISK OF BURNS/INJURIES. DO NOT USE SOLID WATER STREAM/MAY SPREAD FIRE. USE WATER SPRAY/FOG FOR COOLING. AVOID FROTHING/STEAM EXPLOSION. NOTIFY AUTHORITIES IF LIQUID ENTERS SEWER/PUBLIC WATERS.		

IV.

Health Hazards

SEE SUPPLEMENT
BEGINNING ON PAGE 6

Summary of Acute Hazards MODERATE HEALTH HAZARD - SEE BELOW FOR ROUTE-SPECIFIC DETAILS.

ROUTE OF EXPOSURE	SIGNS AND SYMPTOMS	Primary Route
Inhalation	OVEREXPOSURE MAY CAUSE COUGHING, SHORTNESS OF BREATH, DIZZINESS, INTOXICATION AND COLLAPSE.	<input checked="" type="checkbox"/>
Eye Contact	MAY CAUSE MODERATE IRRITATION, INCLUDING BURNING SENSATION, TEARING, REDNESS OR SWELLING.	<input checked="" type="checkbox"/>
Skin Absorption	EXPOSURE TO THIS MATERIAL CAN RESULT IN ABSORPTION THROUGH SKIN CAUSING HEALTH HAZARD.	<input checked="" type="checkbox"/>
Skin Irritation	MAY CAUSE DELAYED SKIN IRRITATION AND BLISTERING.	<input checked="" type="checkbox"/>
Ingestion	SWALLOWING THIS MATERIAL MAY RESULT IN HEALTH HAZARD.	<input checked="" type="checkbox"/>

Summary of Chronic Hazards and Special Health Effects THE PRIMARY CHRONIC EFFECT OF METHYL ETHYL KETONE IS ITS ABILITY TO INTERACT WITH HEXANE AND SIMILAR ALKANES TO POTENTIATE THEIR NEUROTOXICITY. MEK HAS NOT PRODUCED NEUROTOXICITY BY ITSELF WHEN TESTED IN ANIMALS. SEE SUPPLEMENT FOR FURTHER INFORMATION ON CHRONIC HAZARDS.

THIS MATERIAL OR ITS EMISSIONS MAY AFFECT THE CENTRAL NERVOUS SYSTEM AND/OR AGGRAVATE PRE-EXISTING CNS DISORDERS. PROLONGED OBSERVATION MAY BE INDICATED

V.

Protective Equipment and Other Control Measures

SEE SUPPLEMENT
BEGINNING ON PAGE 6

Respiratory	IF EXPOSURE CAN EXCEED THE PEL/TLV, USE ONLY NIOSH/MSHA APPROVED AIR-PURIFYING OR SUPPLIED AIR RESPIRATOR OPERATED IN A POSITIVE PRESSURE MODE.
Eye	EYE PROTECTION SUCH AS CHEMICAL SPLASH GOGGLES AND/OR FACE SHIELD MUST BE WORN WHEN POSSIBILITY EXISTS FOR EYE CONTACT DUE TO SPLASHING OR SPRAYING LIQUID, AIRBORNE PARTICLES, OR VAPOR. CONTACT LENSES SHOULD NOT BE WORN.
Skin	WHEN SKIN CONTACT IS POSSIBLE, PROTECTIVE CLOTHING INCLUDING GLOVES, APRON, SLEEVES, BOOTS, HEAD AND FACE PROTECTION SHOULD BE WORN. THIS EQUIPMENT MUST BE CLEANED THOROUGHLY AFTER EACH USE.
Engineering Controls	USE ONLY WHERE VENTILATION CAN CONTROL EXPOSURES TO WITHIN EXPOSURE STANDARD(S). SPECIAL ATTENTION SHOULD BE GIVEN TO LOW AREAS/PITS WHERE FLAMMABLE VAPORS CAN ACCUMULATE.
Other Hygienic and Work Practices	NON-STATIC CREATING CLOTHING AND CONDUCTIVE SHOES SHOULD BE WORN. USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING/WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER.

VI.

Occupational Exposure Limits

Substance	Source	Date	Type	Value/Units	Time
METHYL ETHYL KETONE	ACGIH	1989	TWA	200 PPM	8 HRS
			STEL	300 PPM	15 MIN
	OSHA	1989	TWA	200 PPM	8 HRS
			STEL	300 PPM	15 MIN



VII.

Emergency and First Aid

Inhalation

IF OVERCOME BY EXPOSURE, REMOVE VICTIM TO FRESH AIR IMMEDIATELY. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. OBTAIN EMERGENCY MEDICAL ATTENTION. PROMPT ACTION IS ESSENTIAL.

Eye Contact

IN CASE OF EYE CONTACT, IMMEDIATELY RINSE WITH CLEAN WATER FOR 20-30 MINUTES. RETRACT EYELIDS OFTEN. OBTAIN EMERGENCY MEDICAL ATTENTION.

Skin Contact

IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH SKIN THOROUGHLY WITH MILD SOAP/WATER. FLUSH W/LUKEWARM WATER FOR 15 MINUTES. IF STICKY, USE WATERLESS CLEANER FIRST. SEEK MEDICAL ATTENTION IF ILL EFFECT OR IRRITATION DEVELOPS.

Ingestion

IF SWALLOWED, GIVE LUKEWARM WATER (PINT) IF VICTIM COMPLETELY CONSCIOUS/ALERT. DO NOT INDUCE VOMITING/RISK OF DAMAGE TO LUNGS EXCEEDS POISONING RISK. OBTAIN EMERGENCY MEDICAL ATTENTION.

Emergency Medical Treatment Procedures

AIRWAY PROTECTION MAY BE NECESSARY. BE PREPARED TO GIVE OXYGEN AND, IF NECESSARY, INTUBATE.

TREAT BURNS OR ALLERGIC REACTIONS CONVENTIONALLY AFTER DECONTAMINATION.

VIII.

Spill and Disposal

Precautions if Material is Spilled or Released

EXTREMELY FLAMMABLE LIQUID. RELEASE CAUSES IMMEDIATE FIRE/EXPLOSION HAZARD. LIQUIDS/VAPORS MAY IGNITE. EVACUATE/LIMIT ACCESS. EQUIP RESPONDERS WITH PROPER PROTECTION. EXTINGUISH ALL IGNITION SOURCES. STOP RELEASE. PREVENT FLOW TO SEWERS/PUBLIC WATERS. RESTRICT WATER USE FOR CLEANUP. NOTIFY FIRE/ENVIRONMENTAL AUTHORITIES. IMPOUND/RECOVER LARGE LAND SPILL. BLANKET WITH FIREFIGHTING FOAM. SOAK UP SMALL SPILL WITH INERT SOLIDS. USE SUITABLE DISPOSAL CONTAINERS. ON WATER, MATERIAL IS SOLUBLE AND MAY FLOAT OR SINK. MAY BIODEGRADE. CONTAIN AND MINIMIZE DISPERSION; COLLECT. DISPERSE RESIDUE. REPORT PER REGULATORY REQUIREMENTS.

Waste Disposal Methods

CONTAMINATED PRODUCT/SOIL/WATER MAY BE RCRA/OSHA HAZARDOUS WASTE DUE TO POTENTIALLY LOW FLASH POINT (SEE 40 CFR 261 AND 29 CFR 1910). LANDFILL SOLIDS AT PERMITTED SITES. USE REGISTERED TRANSPORTERS. BURN CONCENTRATED LIQUIDS IN SYSTEMS COMPATIBLE WITH WATER SOLUBLE WASTES. AVOID FLAMEOUTS. ASSURE EMISSIONS COMPLY WITH APPLICABLE REGULATIONS. DILUTE AQUEOUS WASTE MAY BIODEGRADE. AVOID OVERLOADING/POISONING PLANT BIOMASS. ASSURE EFFLUENT COMPLIES WITH APPLICABLE REGULATIONS.

IX.

Components

(This may not be a complete list of components)

Component Name

CAS No.

Carcinogen##

Composition amount (Wt.)

METHYL ETHYL KETONE

78-93-3

N/AP

AP

(See Qualification on Page 4)

99 PERCENT



XII.

Regulatory Information

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA), TITLE III

SECTION 311/312 HAZARD CATEGORIES

IMMEDIATE (ACUTE) HEALTH HAZARD

FIRE HAZARD

SECTION 313

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA
TITLE III, SECTION 313 AND 40 CFR 372:

METHYL ETHYL KETONE

TOXIC SUBSTANCES CONTROL ACT (TSCA)

ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA)

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF CERCLA:

REPORTABLE QUANTITY (RQ), LBS

5000#/2270KG

METHYL ETHYL KETONE

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 - PROPOSITION 65

BASED ON INFORMATION CURRENTLY AVAILABLE, THIS PRODUCT IS NOT KNOWN TO CONTAIN ANY CHEMICALS
CURRENTLY LISTED AS CARCINOGENS OR REPRODUCTIVE TOXINS UNDER CALIFORNIA PROPOSITION 65 AT LEVELS
WHICH WOULD BE SUBJECT TO THE PROPOSITION. IF YOU REFORMULATE OR FURTHER PROCESS THIS PRODUCT,
YOU SHOULD FURTHER EVALUATE THIS PRODUCT BASED UPON SUCH REFORMULATION OR PROCESSING, AS WELL AS
UPON ITS FINAL COMPOSITION AND USE.



METHYL ETHYL KETONE

MSDS No.
BHCRO00126
Rev. Date
11/03/90

XIII.

Label Information

Manufacturer: ARCO CHEMICAL COMPANY
3801 WEST CHESTER PIKE
NEWTOWN SQUARE, PA. 19073

Telephone Numbers
EMERGENCY
800/424-9300 CHEMTREC
215/353-8300 ARCO CHEM
CUSTOMER SERVICE
800/321-7000 INFO ONLY

Use Statement: FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
Signal Word: DANGER

Physical Hazards:
EXTREMELY FLAMMABLE

Health Hazards:
INGESTION, INHALATION, AND SKIN CONTACT HAZARD SKIN AND EYE IRRITANT

Precautionary Measures: DO NOT HANDLE NEAR HEAT, SPARKS, OR OPEN FLAME.
KEEP CONTAINER CLOSED WHEN NOT IN USE.
DO NOT STORE NEAR COMBUSTIBLE MATERIALS.
AVOID CONTACT WITH EYES, SKIN, AND CLOTHING.
AVOID PROLONGED OR REPEATED BREATHING OF VAPOR.
AVOID PROLONGED OR REPEATED CONTACT WITH SKIN.
USE ONLY WITH ADEQUATE VENTILATION/PERSONAL PROTECTION.
PREVENT CONTACT WITH FOOD, CHEWING, OR SMOKING MATERIALS.
WASH THOROUGHLY AFTER HANDLING.
DO NOT TASTE/SWALLOW.

DOT Information: UN/NA ID Number- UN 1193
Hazard Class- FLAMMABLE LIQUID
Proper Shipping- METHYL ETHYL KETONE (MEK)
Component Name
METHYL ETHYL KETONE

CAS Number
78-93-3

Instructions: DRY CHEMICAL
In case of fire, use- CO2
ALCOHOL TYPE FOAM
First Aid -Inhalation IF OVERCOME BY EXPOSURE, REMOVE VICTIM TO FRESH AIR IMMEDIATELY. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. OBTAIN EMERGENCY MEDICAL ATTENTION. PROMPT ACTION IS ESSENTIAL.
-Eye Contact IN CASE OF EYE CONTACT, IMMEDIATELY RINSE WITH CLEAN WATER FOR 20-30 MINUTES. RETRACT EYELIDS OFTEN. OBTAIN EMERGENCY MEDICAL ATTENTION.
-Skin Contact IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH SKIN THOROUGHLY WITH MILD SOAP/WATER. FLUSH W/LUKEWARM WATER FOR 15 MINUTES. IF STICKY, USE WATERLESS CLEANER FIRST. SEEK MEDICAL ATTENTION IF ILL EFFECT OR IRRITATION DEVELOPS.
-Ingestion IF SWALLOWED, GIVE LUKEWARM WATER (PINT) IF VICTIM COMPLETELY CONSCIOUS/ALERT. DO NOT INDUCE VOMITING/RISK OF DAMAGE TO LUNGS EXCEEDS POISONING RISK. OBTAIN EMERGENCY MEDICAL ATTENTION.
In case of spill, EXTREMELY FLAMMABLE LIQUID. RELEASE CAUSES IMMEDIATE FIRE/EXPLOSION HAZARD. LIQUIDS/VAPORS MAY IGNITE. EVACUATE/LIMIT ACCESS. EQUIP RESPONDERS WITH PROPER PROTECTION. EXTINGUISH ALL IGNITION SOURCES. STOP RELEASE. PREVENT FLOW TO SEWERS/PUBLIC WATERS. RESTRICT WATER USE FOR CLEANUP. NOTIFY FIRE/ENVIRONMENTAL AUTHORITIES. IMPOUND/RECOVER LARGE LAND SPILL. BLANKET WITH FIREFIGHTING FOAM. SOAK UP SMALL SPILL WITH INERT SOLIDS. USE SUITABLE DISPOSAL CONTAINERS. ON WATER, MATERIAL IS SOLUBLE AND MAY FLOAT OR SINK. MAY BIODEGRADE. CONTAIN AND MINIMIZE DISPERSION; COLLECT. DISPERSE RESIDUE. REPORT PER REGULATORY REQUIREMENTS.
Protective Equipment:
-Respiratory USE NIOSH/MSHA APPROVED AIR-PURIFYING OR SUPPLIED AIR RESPIRATOR AS APPROPRIATE.
-Eye CHEMICAL SPLASH GOGGLES AND/OR FACE SHIELD.
-Skin PROTECTIVE CLOTHING INCLUDING GLOVES, APRON, SLEEVES, BOOTS, AND FULL HEAD/FACE PROTECTION.



XIV.

Supplement

HEALTH HAZARDS-SUMMARY OF CHRONIC HAZARDS

THIS MATERIAL HAS BEEN SHOWN TO POTENTIATE THE NEUROTOXIC EFFECTS OF HEXANE, METHYL N-BUTYL KETONE, 5-NONANONE, AND OTHER STRAIGHT CHAIN ALKANES CAPABLE OF BEING METABOLIZED TO GAMMA DIKETONES. THE EXACT MECHANISM OF THIS POTENTIATION IS UNKNOWN AND MAY BE SUFFICIENTLY INDEPENDENT OF THE METABOLIC FORMATION OF GAMMA-DIKETONES TO EXTEND OVER TO SUCH OTHER WELL-KNOWN NEUROTOXINS AS ACRYLAMIDE AND THE ORGANOPHOSPHATES, TRIORTHOCRESYL PHOSPHATE AND LEPTOPHOS. THE NEUROPATHY IS INDUCED BY A "DYING BACK" TYPE DEGENERATION OF THE LARGE MOTOR AXONS OF THE PERIPHERAL NERVOUS SYSTEM. SYMPTOMS INCLUDE A PROGRESSIVELY WORSENING WEAKNESS OF THE EXTREMITIES WHICH STARTS IN THE FEET AND PROCEEDS PROXIMALLY. ATAXIA AND CNS INVOLVEMENT MAY FOLLOW IF EXPOSURE IS CONTINUED. THE CONDITION GROWS PROGRESSIVELY WORSE SEVERAL WEEKS FOLLOWING DISCONTINUANCE OF EXPOSURES BUT IMPROVES SUBSEQUENTLY AND IS CONSIDERED REVERSIBLE UNLESS CNS INVOLVEMENT EXISTS.

NOTICE TO DEPOSITORS-40 CFR PART 280-UNDERGROUND STORAGE TANK REGULATIONS

A NEW FEDERAL LAW REQUIRES OWNERS OF UNDERGROUND TANKS, USED TO STORE PETROLEUM OR CERCLA HAZARDOUS SUBSTANCES, TO NOTIFY DESIGNATED STATE OR LOCAL AGENCIES BY MAY 8, 1986 OF THE EXISTENCE OF THEIR TANKS. NOTIFICATIONS FOR TANKS BROUGHT INTO USE AFTER MAY 8, 1986 MUST BE MADE WITHIN 30 DAYS. CONSULT EPA'S REGULATIONS, ISSUED ON NOVEMBER 8, 1985, TO DETERMINE WHETHER YOU ARE AFFECTED BY THIS LAW.

XIV.

Supplement Continued

1HWR1631
03/19/93

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
WASTE MANIFESTS FROM 01/01/91 TO 03/01/93
FROM GENERATOR NJD055082531 TO SPECIFIED TSDF'S

PAGE 1

GENERATOR	TSDF	MANIFEST	DATE SHIPPED	WASTE CODE	WASTE NAME	QUANTITY
-HERCULES, INC. INC. 111 SOUTH ST. PASSAIC, NJ NJD055082531	MARISOL INC 125 FACTORY LANE MIDDLESEX, NJ NJD002454544					
		NJA0965342	03/08/91	F005	NONHL SOLV & STLBTM	4744 G
		NJA0965396	10/16/91	F005	NONHL SOLV & STLBTM	6043 G
		NJA1245110	01/27/92	F005	NONHL SOLV & STLBTM	2224 G
		NJA1501286	09/22/92	F005	NONHL SOLV & STLBTM	3816 G
	S&M WASTE OIL PA INC ROUTE 6 & ROUTE 209 MILFORD, PA PAD061563839					
		PAC4925325	09/13/91	X722	WAST OIL/BTM RES/COMM TANK CLN	1515 G